```
IEF285I    SYS1.T360                                    PASSED
IEF285I    VOL SER NOS= NYSC05.
IEF285I    SYS69191.T210529.SV000.TXT360.R0000007       SYSOUT
IEF285I    VOL SER NOS= SPOOL1.
IEF285I    PRINT                                        PASSED
IEF285I    VOL SER NOS= NYSC05.
IEF285I    SYS69191.T210529.RV000.TXT360.EXCFILE        DELETED
IEF285I    VOL SER NOS= NYSC05.
IEF285I    SYS69191.T210529.RV000.TXT360.MASFILE        DELETED
IEF285I    VOL SER NOS= 111111.
IEF285I    SYS1.DICT                                    KEPT
IEF285I    VOL SER NOS= NYSC05.
 STEP TIME=00.00.04
//STEP5   EXEC  PGM=PRT
//T360PT DD DSNAME=PRINT,DISP=(OLD,KEEP),UNIT=2311,VOLUME=SER=NYSC05,  X
//             DCB=(RECFM=FB,LRECL=132,BLKSIZE=132)
//T360PNT DD SYSOUT=A,DCB=(,BLKSIZE=132,LRECL=132)
//DICT DD DSNAME=SYS1.DICT,DISP=(OLD,KEEP),DCB=(,BLKSIZE=2000),        X
//             UNIT=2311,VOLUME=SER=NYSC05
//SYSABEND DD SYSOUT=A
//FINALPRT DD DSNAME=*.STEP3.PRTOT,VOLUME=REF=*.STEP3.PRTOT,           Z
//             DISP=OLD,DCB=(RECFM=FB,BLKSIZE=132,LRECL=132),UNIT=2311
//SYSPRINT DD SYSOUT=A
IEF236I ALLOC. FOR TXT360   STEP5
IEF237I JOBLIB   ON 191
IEF237I T360PT   ON 191
IEF237I T360PNT  ON 193
IEF237I DICT     ON 191
IEF237I SYSABEND ON 193
IEF237I FINALPRT ON 191
IEF237I SYSPRINT ON 193
```

FANTICS

8 July, 1:45 AM

THIS AREA IS TO BE THE GENERAL RESIDENT DISPATCHER FOR SCOPE WORK.

ROLLOUT FOR PRINT/PUNCH

DATE OF THIS ROLLOUT:  TUESDAY/WEDNESDAY 8 JULY 1969, 1:45 AM

NAME OF CONTENTS:  FANTICS, A SWELLING, WE HOPE, BOOK DRAFT.

DESCRIPTION OF WORK:  SOME THINGS HAVE BEEN MOVED AROUND SINCE LAST TIME.

WORK SYSTEMS:  AS BEFORE.  EVERYTHING IS BEING TYPED INTO THE "LIVE INPUT" AREA (LABEL: "LIVNPT").  FROM THERE THEY ARE BEING COPIED INTO THE DRAFT, CALLED FANTICS (TAG: "FCS").  NOTHING IS BEING ACTUALLY WRITTEN INTO THE "FANTICS" AREA.

REMARKS:  ACTUALLY I'M NOT QUITE SURE WHY I'M DOING IT THIS WAY.

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1

FANTICS.

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SYSTEMS NOTE.  EVERYTHING HERE HAS BEEN COPIED FROM AREA "LIVNPT". NOTE THAT THERE ARE NO "CHAPTERS."  WHEN SECTIONS GET COMBINED INTO CHAPTERS IS THE LAST THING ON MY MIND.

----- ----- ----- ----- ----- XXXXX

XXXXX XXXXX XXXXX

XXXXX

IGNORE CLUMSINESS OF EARLY SYSTEMS.  THESE WILL BE AS EASY TO USE AS TV SETS AWESOME ARCHITECTURE G XXX

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EXAMPLE:  FLIPTYCH

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WHO IS IT FOR?  ABSURDITY OF QUESTION.  EVERYBODY  .  CRT JUNK MAIL

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((MANUSCRIPT IS SUPPOSED TO BEGIN HERE))

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INTRODUCTION XXX DERIVATION OF TERM "FANTICS": TWO USEFUL ROOTS,
"FANEIN," TO SHOW, AND "FANTASTEIN," TO PRESENT TO THE MIND OR EYE. THE
LATTER WOULD CLEARLY, FROM ITS MEANING, BE THE PREFERABLE ROOT. HOWEVER,
THEN THE WORD WOULD BE "FANTASTICS," WHICH WOULD HAVE RATHER THE WRONG
MEANING. IT WOULD ALSO TAKE AWAY THE SENSE: HERE I CAN SPEAK OF "A
FANTIC SYSTEM" AND MAKE IT MEAN SOMETHING, WHEREAS TO CALL IT A "FANTASTIC
SYSTEM," THOUGH PROBABLY TRUE, WOULD CLOUD THE ISSUE AS WELL AS RAISE THE
PITCH OF DISCUSSION UNCOMFORTABLY.

SECTION: THE FABULOUS WORLD OF COMPUTER DISPLAY, OR, "TOYS AND
JEWELS"

SECTION: HORIZONS FOR SALE XXX EMPEROR'S CLOTHES

SECTION: THE NEW-MEDIA WHIZBANG

SECTION: NEW MEDIA COMPONENTS XXX "BRANCHING" AS A WHIZBANG ASPECT OF
NEW MEDIA HOLOGRAPHY

NOBODY FORESEES MEDIA IMPACT, AS A RULE XXX MOVIE ANALOGY

REVIEW OF HISTORY TOWARD THIS POINT, REWRITTEN IN MY TERMS. SECTION:
THE FANTIC MEDIA TO 1900 SECTION: THE FANTIC MEDIA TO 1950 SECTION: THE
FANTIC MEDIA TO 1960 OR 1970 "THE INFORMATION EXPLOSION" "THE KNOWLEDGE
INDUSTRY" SYNNOETICS CYBERCULTURE MEDIA BARRAGES MEDIA MASSAGES
MCLUAHN'S ONTO IT, EVEN IF HE DOESN'T UNDERSTAND THE TECHNICALITIES.
BASIC DISAGREEMENT WITH MCLUHAN: THE GREAT DIFFERENCES _AMONG_ ELECTRONIC
MEDIA, AND THE STUPENDOUS DIFFERENCE IT MAKES FRITZ MACHLUP "TEACHING
TECHNOLOGY" NELSON'S TIMETABLE

SECTION: THE MYTH OF TECHNICALITY

SECTION: POSSIBLE WORLDS OF VISION AND RESPONSE SUTHERLAND'S STEREO
SYSTEM

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"HUMAN FACTORS" XXX NARROW CRITERIA OF "HUMAN FACTORS" GENERALLY
IRRELEVANT NICELY UNIFIED CONTROLS CONTROLS OF SONY TC-50 CONTROL OF
ALL-TERRAIN VEHICLE HELICOPTER HANDLE AIRPLANE "STICK" XXX A CHURCH CAN BE
THOUGHT OF AS HUMAN-FACTORS DESIGNED, ANYHOW, IF YOU LET IN ENOUGH
VARIABLES

SECTION: PROPRIOCEPTIVE-KINAESTHETIC CONTROL SYSTEMS

THE GENERAL-PURPOSE SYSTEM TOWARD WHICH WE ARE MOVING (LINE-DRAWING,
MOVING-TEXT)

3

SECTION: THE ONLY PERMANENT FORM OF STORAGE SECTION: FANTASM-TYPE
SYSTEMS SECTION: STRUCTURED PICTURES DIGITAL STORAGE IS PERFECT DIGITAL
STORAGE MAY BE SAFEGUARDED DIGITAL STORAGE OF PAINTINGS

SECTION: "COMPUTER-ASSISTED INSTRUCTION" XXX TUT-TUTORIAL SYSTEMS THE
BADS OF CAI BRICK-WALL ILLUSTRATION

SECTION: "INFORMATION RETRIEVAL" BOOLEAN SYSTEMS: JUST THE BEGINNING
OF WHAT THE MIND NEEDS

SECTION: WHAT EDUCATION IS ABOUT ANYWAY XXX SECTION: SLAMMED MINDS
XXX THE BIG SECRET: FREE ACCESS TO INTERESTING MATERIALS, CONVERGENT
MOTIVATIONAL ENVIRONMENT IS THE KEY XXX THE INSIDE STORY ON PROG. ED.:
WE HATE TO DO IT, HATE TO STUDY IT

----- ----- ----- ----- -----

SECTION: HYPERTEXT XXX THE TEXT FACILITY: QUEEN OF THEM ALL XXX
SPATIAL HYPERTEXT ENVIRONMENTS: CHECKERBOARD, CLOUDS (HANGING IN 3-
SPACE), SWINGING PAGES IN 3-SPACE

SECTION: STRETCHTEXT

SECTION: HYPERGRAMS XXX BRAIN PROJECT

SECTION: CONTEXT JUMPS

SECTION: AUTHOR'S SYSTEMS

SECTION: SYSTEMS FOR THINKING WITH DATA

SECTION: TEXT CONTROL SYSTEMS

CREATIVITY SYSTEMS CINENYM

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4

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SECTION: COMPUTER-CONTROLLED MEDIA

SWELL NEW PRESENTATIONAL MEDIA, ESPECIALLY ALL-AROUND-YOU SOUND, BEAU-
TIFUL PROJECTION SYSTEMS AMUSEMENT PARKS

SECTION: THE UNIFICATION OF SONIC AND VISUAL ARTS

SECTION: HYPER-FANTIC MEDIA OF VARIOUS SORTS

SECTION: THE COMPUTER AS PERFORMER XXX SECTION: COMPUTER-PERFORMED
MEDIA SUPER-AUDIO MACHINE

SECTION: THE COMPUTER AS MEDIA CONTROLLER EXAMPLE: MOVING-SCREEN LORD
OF RINGS EXAMPLE: HYPERFILM OF WWII

----- ----- ----- ----- -----

SECTION: THE EASE OF USE

SECTION: THE NATURE OF CATEGORIES

SECTION: THE NATURE OF IDEAS XXX MICKEY MOUSE

SECTION: THE NATURE OF THE CREATIVE PROCESS

SECTION: UNITY, STRUCTURE AND FEEL

SECTION: SOME BASIC QUESTIONS IN THE PSYCHOLOGY OF THOUGHT AND FEELING

SECTION: SYSTEMS FOR ALL THESE

----- ----- ----- ----- -----

SECTION: SOCIETY IN THE FANTIC AGE

SECTION: SCHOLARSHIP XXX EXAMPLE: 4-D DATA STRUCTURE PERMITTING ROMAN
SNAPSHOTS CONVENTIONAL BORDERLINES OF TEACHING AND SCHOLARSHIP REST ON THE
LIMPING WAY THINGS ARE DISTRIBUTED & MADE KNOWN. THE PRESSURE OF AN
EXCITING ENVT MAY CHANGE THESE THING

SECTION: ART & THE ARTS

SECTION: THE DANGERS OF LOSS

SECTION: ON THE PROBLEM OF KEEPING TOO MUCH

5

SECTION: A LIBERAL'S HOPES XXX PROFESSIONALISM, BUREAUCRACY, THE
NARROW INITIATIVE-PATHS TO SUCCESS IN OUR WORLD XXX WHERE THESE PROPHECIES
STOP

((APPENDICES))_____ _____ _____ _____ _____

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THIS AREA IS FOR LIVE INPUT, IN A PROTOCOL FASHION. THE BOOK GETS PUT
TOGETHER IN THE AREA "FCS", AT LEAST FOR TONIGHT. (3 JULY 1969, 10:30
P.M.)

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THESE ARE RANDOM INSERTIONS TOWARD THE BOOK __FANTICS. 2 JULY 1969.
XXXXX REVIEW OF HISTORY TOWARD THIS POINT, REWRITTEN IN MY TERMS. XXXXX
THE GENERAL-PURPOSE SYSTEM TOWARD WHICH WE ARE MOVING (LINE-DRAWING,
MOVING-TEXT) XXXXX THE BIG SECRET: FREE ACCESS TO INTERESTING MATERIALS,
CONVERGENT MOTIVATIONAL ENVIRONMENT IS THE KEY XXXXX SUTHERLAND'S STEREO
SYSTEM XXXXX AMUSEMENT PARKS XXXXX

----- ----- ----- ----- -----

SECTION: TERMINOLOGY SECTION: HOW COMPUTER DISPLAYS WORK SECTION:
HOW COMPUTERS WORK INTRODUCTION SECTION: THE MYTH OF TECHNICALITY
SECTION: THE FABULOUS WORLD OF COMPUTER DISPLAY. OR, "TOYS AND JEWELS"
SECTION: SOME BASIC QUESTIONS IN THE PSYCHOLOGY OF THOUGHT AND FEELING
SECTION: "COMPUTER-ASSISTED INSTRUCTION" SECTION: "INFORMATION
RETRIEVAL"

----- ----- ----- ----- -----

SECTION: POSSIBLE WORLDS OF VISION AND RESPONSE SECTION: WHAT
EDUCATION IS ABOUT ANYWAY SECTION: STRETCHTEXT
SECTION: HYPERGRAMS SECTION: CONTEXT JUMPS SECTION: AUTHOR'S SYSTEMS
SECTION: THE EASE OF USE SECTION: THE NATURE OF CATEGORIES SECTION: THE
NATURE OF IDEAS SECTION: THE NATURE OF THE CREATIVE PROCESS SECTION:
SYSTEMS FOR ALL THESE SECTION: SYSTEMS FOR THINKING WITH DATA SECTION:
THE DANGERS OF LOSS SECTION: ON THE PROBLEM OF KEEPING TOO MUCH SECTION:
A LIBERAL'S HOPES

----- ----- ----- ----- -----

SECTION: SLAMMED MINDS SECTION: THE UNIFICATION OF SONIC AND VISUAL
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THE ISSUE AS WELL AS RAISE THE PITCH OF DISCUSSION UNCOMFORTABLY.

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(((((I GOT THIS FAR BY 12 P.M.: ONE AND A HALF HOURS ON THE
MACHINE.)))))

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3-SPACE), SWINGING PAGES IN 3-SPACE IGNORE CLUMSINESS OF EARLY SYSTEMS.
THESE WILL BE AS EASY TO USE AS TV SETS THE TEXT FACILITY: QUEEN OF THEM
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IN OUR WORLD MICKEY MOUSE BRAIN PROJECT SUPER-AUDIO MACHINE CINENYM "HUMAN
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HOLOGRAPHY SECTION: THE NEW-MEDIA WHIZBANG XXX "BRANCHING" AS A WHIZBANG
ASPECT OF NEW MEDIA

----- ----- ----- ----- ----- (TUESDAY 8 JULY, 12 PM)

SECTION: HORIZONS FOR SALE EXAMPLE: FLIPTYCH EXAMPLE: MOVING-SCREEN
LORD OF RINGS EXAMPLE: HYPERFILM OF WWII SECTION: ART & THE ARTS
SECTION: SCHOLARSHIP EXAMPLE: 4-D DATA STRUCTURE PERMITTING ROMAN
SNAPSHOTS SECTION: NEW MEDIA COMPONENTS SECTION: THE FANTIC MEDIA TO
1800 SECTION: THE FANTIC MEDIA TO 1950 SECTION: THE FANTIC MEDIA TO 1969
OR 1970 SECTION: THE MEANING OF DATA STRUCTURE SECTION: TEXT CONTROL
SYSTEMS

SECTION: THE COMPUTER AS MEDIA CONTROLLER NOBODY FORESEES MEDIA
IMPACT, AS A RULE SECTION: HYPER-FANTIC MEDIA OF VARIOUS SORTS SECTION:
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----- ----- ----- ----- ----- ((1:05 AM, 8-9 JULY))

SECTION: COMPUTER-PERFORMED MEDIA CREATIVITY SYSTEMS SECTION:
PROPRIOCEPTIVE-KINAESTHETIC CONTROL SYSTEMS WHO IS IT FOR? ABSURDITY OF
QUESTION. EVERYBODY CONVENTIONAL BORDERLINES OF TEACHING AND SCHOLAR-

10

SHIP REST ON THE LIMPING WAY THINGS ARE DISTRIBUTED & MADE KNOWN.  THE
PRESSURE OF AN EXCITING ENVT MAY CHANGE THESE THINGS.  CRT JUNK MAIL
SECTION:  SOCIETY IN THE FANTIC AGE

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COMPLIMENTS OF THE

HYPERTEXT EDITING SYSTEM

CENTER FOR
COMPUTER & INFORMATION SCIENCES
BROWN UNIVERSITY
PROVIDENCE, RHODE ISLAND

10 JULY, 1969