

1.
REPORT TO THE
INTERDEPARTMENTAL TASK FORCE ON TRANSBORDER DATA FLOW
(CANADA) §

BIBLIOGRAPHY §

RESULTS OF A SURVEY OF
ON-LINE BIBLIOGRAPHIC DATABASES

1975 - 1982

APRIL 1982
OTTAWA

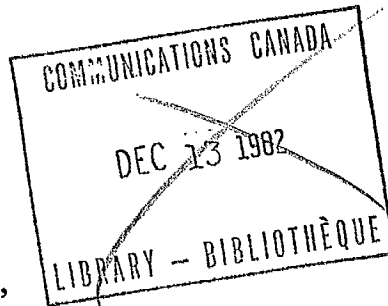
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CONSULTANTS ON INFORMATION ACCESS
P E T E R G E L D A R T
3121 STATION D OTTAWA 2363434 CANADA

CONSULTANTS ON INFORMATION ACCESS
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HE
7812
1586

April 29, 1982



Dr. M. Andrieu,
Director General,
Communications Economics Branch,
Department of Communications,
Journal Tower North,
300 Slater Street,
Ottawa, Ontario.

Your reference: 36200-1-0530

Dear Dr. Andrieu:

I am pleased to submit final documentation representing the completion of our contract which was to conduct a computer-based survey of selected on-line bibliographic data bases for literature relevant to transborder data flow, and present the results in a subject-oriented package.

Submitted are three copies of the final bibliography, and one electronic version on AES disks. This bibliography covers 1981 - 1982 and consists of about 600 records culled from the total of about 6,000 retrieved, covering 1975-1982.

Also submitted are copies of all printouts, (the 6,000 records) organized by on-line data base, with additional information describing each data base, as well as the search strategy in detail.

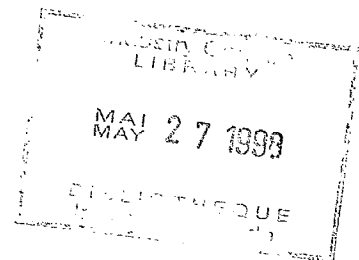
The study provides the task force with a bibliography which is of use immediately, as well as providing the basis on which to build up an AES compatible, updateable bibliographic data base.

Yours truly,

Peter Geldart

Peter Geldart

PG/ia



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DEC 13 1985
LIBRARY - BIBLIOTHÈQUE

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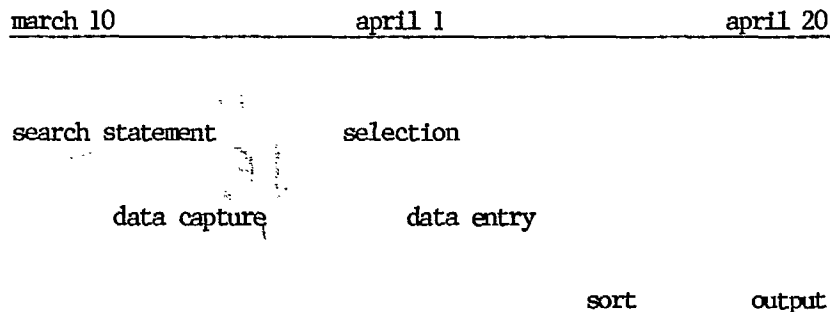
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PARAMETERS

The parameters of the study were to conduct a computer-based survey of on-line bibliographic data bases for literature relevant to all aspects of transborder data flow of concern to the task force; to search selected on-line data bases comprehensively from 1975 to the present (april 1, 1982).

The project can be divided into the following stages:

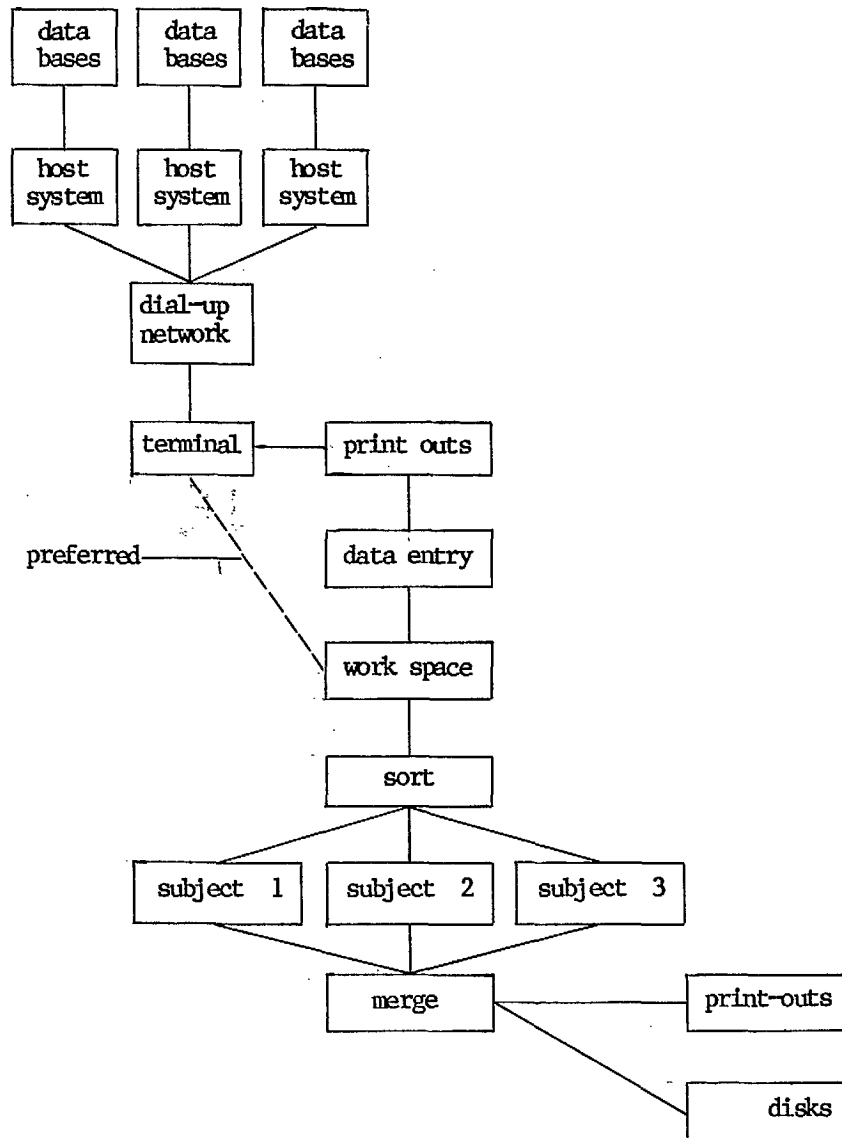
- 1) development of the search statement
- 2) data capture
- 3) selection of relevant records
- 4) data entry into computing work space
- 5) sorting into subject groups
- 6) producing printouts,disks



A parameter of the study was altered april 1 before commencing to select and sort the records. We captured, in printed form, about 6,000 records, since 1975, of which about 60% would be selected for the final data base. It was decided to limit the final stages, in terms of this contract, to 1981 and 1982. This comprises about 600 records. It is recommended that 1975 through 1980 be compiled into the present machine readable bibliography as well, which would then total about 4,200 records.

OPERATIONS

Various communication interfaces were used in the first stages of the study. A micom 2001e and an aes plus word processor were successfully re-profiled to communicate with the dial-up network in Canada and the US at 1200 baud. However, at this speed some data was occasionally lost, during continuous retrieval. An xon xoff protocol would have to be initiated to tell the host computer to stop transmission when the local buffer is almost full, and this would slow the print-out, increasing costs. We were not able to profile the word processors in this way. In this study the data was captured on a hardcopy terminal. Future on-line retrieval operations of this size should be conducted in a computing environment with sufficient storage capacity to capture an on-line print-out of possibly 150,000 characters.



STATISTICAL TABLE

data base	host system	A records scanned	B records retrieved	% A/B
unesco	idrc	30 000	579	1.93
eric	dialog	200 000	520	.27
pais	dialog	144 000	457	.32
abi-inform	dialog	100 000	357	.36
conf.papers	dialog	600 000	330	.05
lisa	dialog	15 000	323	2.15
management	dialog	90 000	317	.35
magazine	dialog	588 000	309	.05
ilo	idrc	60 000	304	.51
tris	dialog	50 000	303	.61
pira	dialog	65 000	281	.43
gpo	dialog	16 000	279	1.74
soc.abstr	dialog	50 000	204	.41
ssie	dialog	170 000	204	.12
disserta.	dialog	60 000	201	.34
bibliol	idrc	34 000	200	.59
nat.news	dialog	391 000	190	.05
uspsd	dialog	16 000	153	.96
fed.reg.	dialog	105 000	143	.14
frost+sull	dialog	340 000	134	.04
philosof	dialog	82 000	100	.12
st + poor	dialog	156 000	94	.06
inspec	canole	700 000	87	* .01
elcom	orbit	113 000	83	* .07
find svp	dialog	10 000	78	.78
ntis	canole	400 000	68	* .02
stnd + spec	dialog	20 000	65	.33
codoc	canole	400 000	44	* .01
compindex	canole	500 000	40	* .008
intl pharm	dialog	40 000	38	.09
devsis	idrc	4 000	27	.68
microlog	canole	8 000	25	.31
nytimes	nytimes	n/a	20	*
dow jones	dow jones	n/a	16	*
natl.lib	canole	120 000	14	* .01
accountants	orbit	70 000	12	* .01
cisti	canole	140 000	10	* .007
elias	canole	30 000	3	.01
38		+6million	6612	.01

* these data bases should be searched more comprehensively;
Statistics when these are excluded :

29	+3.5million	6245	.17
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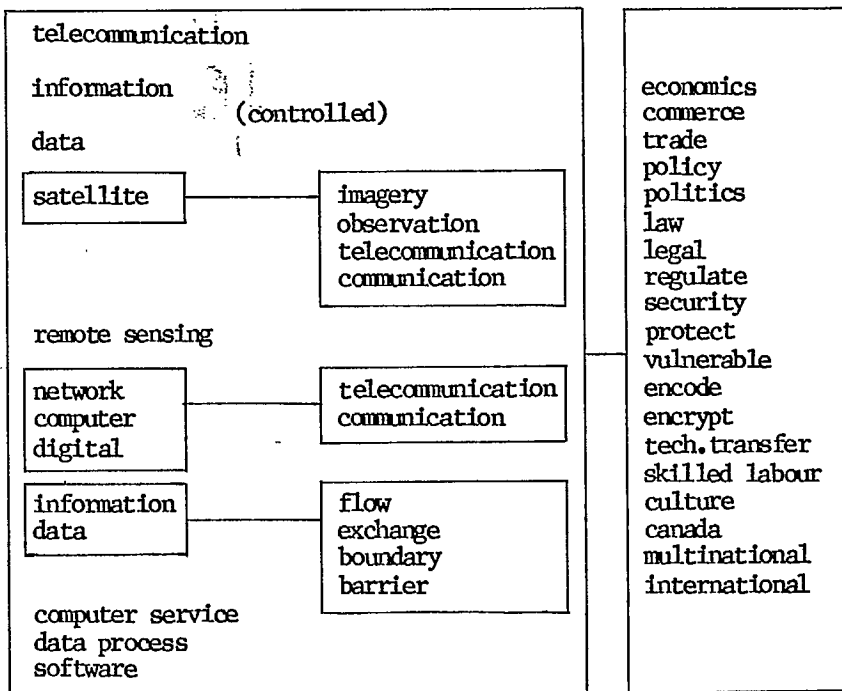
SEARCH STRATEGY

The search statement developed over the course of the retrieval successfully captures relevant literature while limiting the amount of irrelevancy. The strategy was fairly complicated because we were dealing with a subject which is really multi-disciplinary, and the terms 'information' and 'data' were themselves key words, not secondary attributes of the text. The searching was limited, in most cases, to title and descriptors, as abstracts introduced too much noise. The search is an interactive process; once the basic strategy has been run, groups are immediately selected for 'print-out', or combined with other groups as necessary. A schematic:

transborder
transnational
transboundary
cross border

teleprocess
telematic
telediffusion
telecomputing
teledata
teleinformation
teleconference

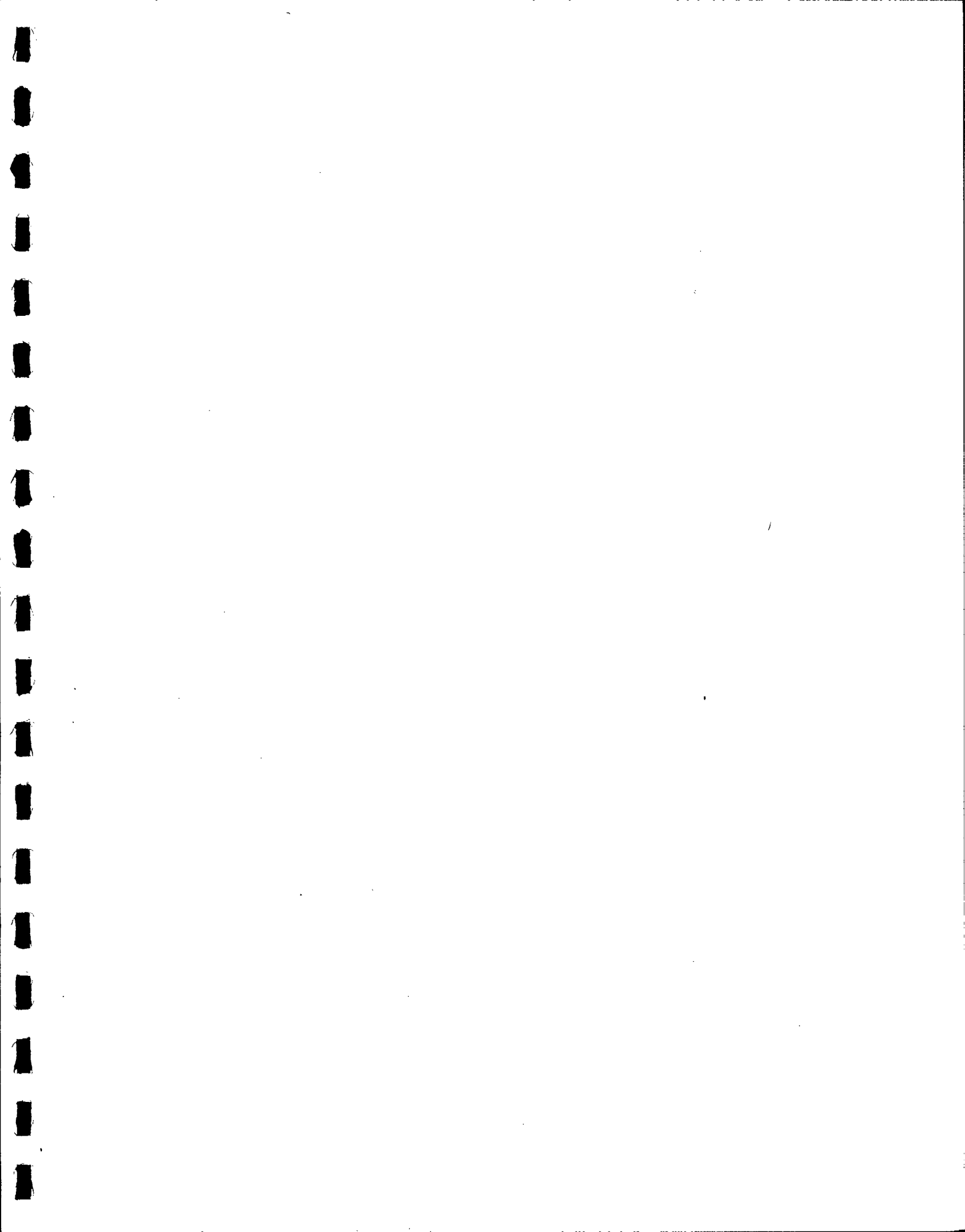
freedom of information
trade in services
value added network



DOCUMENTATION

This selected bibliography, 1981 and 1982, resides on aes-plus mini disks. All records retrieved, 1975 to 1982, are organized by name of the on-line file, in folders. These contain a description of the on-line data base, the strategy and a copy of the complete printout. The parallel records in the print-outs contain more detailed information. Example of record in this bibliography:

title _____
subject codes—53/10/03*transborder data flow: an economic tool
with threatening implications.
author—REINIGES, H
date—1981 july siemens review—journal
data base—inspec c000041
host's accession no. _____



TELECOMMUNICATIONS IN GENERAL

A

01*delaying the information era
ANON
1981 aug the economist v280 7199
pira069134

01* fax transceivers for the inventory controls
ANON
1981 august office v94 2
management193137

01*europa - the number one broadcaster fights back from space
ANON
1981 may businessweek 2686
management185793

01*data communications world
AUERBACH.PUBLISHERS
1981 auerbach
find svp005970

01*can britain recover its share of the world telecommunications market
ANON
1981 july world business v4 27
management190610

01*information processing works half a world away at csc systems division
ANON
1981 may office v93 5
management18811

01*bypassing ma bell (comparison of telephone services)

ANON

1981 march consumer reports v46
magazine0458931

15/01*business to business telecommunications

ANON

1982 january dun's business month v119 1
abiinform82003441

50/01*reliability no. 1 priority in user selection of value added network

ANON

1981 june 29 computer world v15 26
abiinform81015684

55/01*france: la telematique-the technological bubble

ANON

1981 january intermedia v9 1
abiinform81005406

15/01*data communications to prosper

ANON

1981 august 17 design news v37
magazine0524020

01/30* why the US still has not cracked NET

ANON

1982 january business week 2721
management202080 magazine0570875

01/21/10*france: free trade under socialism

ANON

1981 august world business v4 31
management192014

01/24*the fcc: on a new wavelength

ANON

1981 may businessweek 2689
management185881

B

01*liberalization of the use of the british telecommunications network

BEESLEY,ME

1981 uk/dept of industry
pira066155

01*foretel: a telecommunications forecasting system
BLACK,JL
1981 phd portland state
dissertation862662

12/01*independent phone firms diversifying
BARRONS(PAPER)
1981 september 28 barrons
dow jones090928-0580

12/01*news and views:new businesses grow at utd telecommunications
BARRONS(PAPER)
1981 april 18 barrons
dow jones090518-0775
B

01/05*britain and the information society
BUTLER,D
1981 british computer society lecture series 3
pira069693

01/15/24*analyst seize stronger at and t emerging from antitrust case
BARRONS(PAPER)
1982 january 18 barrons
dow jones100118-0998

01/15/24*arthur bushkin,former special assistant for info policy at ntia, on
growing foreign trend toward controlling flow of information across intl
boundaries; notes restrictions on tbd
which were originally designed to protect personal privacy could be used for a
variety of economic and political purposes; discusses implications of
restrictions on us mnes
BUSHKIN,AA
1981 august 3 business week p10
nytib pais2894780 magazine0521970

C

01*data exchange: trading in the paper mountain
CLARKE,K
1981 may data process. v23 5
pira 068004

01*telecommunications and travel:potential impact in rural areas
CLARK,D ;UNWIN,KI
1981 1 regional studies 15
pais275233
C

01/50*telecommunications services required by distributed and interconnected
office centers
COMFORT,TL ;DOSHER,G ;NEWOOMB,J
1981 july systems exploration inc.
pira066791

01/30/32*the international flow of information:a trans-pacific perspective
COLE,JY(ed)
1981 libr/congress viewpoint series 7
eric ed207537

01/33*ninth annual telecommunications policy research conference
COLE,BG \$17,000
1981 university of pennsylvania, school of communications
ssie0290991

01/05/25*communications: man-machine interactions in telecommunications and
teleconferencing
CHAPANIS,A \$59,740
1980 john hopkins university, dept of psychology
ssie024695

D

01*gte to acquire ltv interest in telecommunications firm
DOW.JONES.NEWS
1981 april 8 dow jones news
dow jones

01*computer communications
DOW.JONES.NEWS
1981 august 21 dow jones news
dow jones
D

01/05*computers and communications in the '80s:benefits and problems
DOUGLAS,AS
1981 february computer networks 5(1)
inspec b033790

01/52*collaborative research on scientific and technical co-operation in the
field of application of computers to management
DALE,AG \$50,000
1982 university of texas, dept of computer science
ssie0288029

E

01*the telecommunications, electronics, computer industry
ELLINGHAUS,WM
1981 march intl journal of research mgmt 24 2
econ.abs7548338

01/53/23*contracts for transnational information services: securing equivalency
of data protection against privacy infringement
EPPERSOIN,GM
1981 winter harvard intl law journal 22
pais277642

F

31/01*is unesco to blame (free flow of information)
FORBES,JE
1981 august 19 new york times p23(n)pa23(1c)
nationalnews1781755

12/05/01* an almost golden age (technology in the communication field)
FREEMAN,NB
1981 february 20 national review v33
magazine0456622

01/50*telecommunications: '70 to '90
FRANK,H
1981 march 18 computer world v15 11a
abinform81007826

G

01/24*impact of at and t, ibm decisions
 GRIER,P
 1982 january 11 christian science monitor pl
 nationalnews1832506

01/26/52*telematics: the integration of computing and communications
 GILLETTE,D
 1981 march18 computer world v15 11a
 abi.inform81007822

H

01/05*japan - the information revolution
 HARTLEY,J ;SMITH,C ;DODWELL,D ;HANSON,R ;MATSUKAWA,S ;THARP,M
 1981 july 6 financial times
 pira068057

01*the communications revolution
 HOWARD,N ;US/DOS
 1981
 gpo8103845

52/01*digital technology:the potential for alternative communication
 HOGREBE,EFM
 1981 winter journal of communication v31 1
 ericej238377

31/01*jonestown,unesco and the free press
 HERSHMAN,R
 1981 august 14 christian science monitor p23
 nationalnews1777334

01*news update (radio frequency allocation)
 HINDIN,HJ
 1981 february 10 electronics v54
 magazine0455017

I

01/31*international telecommunications union, geneve working party on the
 implementation of resolution 47 of the plenipotentiary conference
 INIL.TELEC.UNION geneve
 1981 mar
 bibliol002a1,158

01/25*growing impact of wide band communications
INIL,RCH.DEV. inc
1981 june
find svp005507

J

01* telecommunications insights
JORDAN,AH
1981 august office v94 2
management1931126

01/21*telephone abuse is a form of antisocial security
JORDAN,AH
1981 august office v94 2
abiinform81020328

K

01/10/50*link system's capabilities to analyze the role of ldc's in the world
economic system
KLEIN,IR \$10,000
1981 university of pennsylvania dept of economics
ssie0345089

01*getting the message across
KIRBY,RC
1981 march telecomm.
pira067951

01*chamber lobbying will take to the air(custom-made tv programming to business
subscribers by the us chamber of commerce, over its satellite biznet)
KELLER,B
1981 nov cong q w rep 39
pais290623

01*communications in the 21st century: telecommunications and business policy
KEEN,PGW
1981 autumn organizational dynamics v10 2
management203615

53/01*vulnerability: will the us confront its systems' flaws
KIRCHNER,J
1981 december computerworld v16 1
ablinform82003050

10/30/01*data flow debates seem ignoring economics
KIRCHNER,J
1981 january 19 computer world v15 3
ablinform81003798

01/53*safety and security - the telephone industry's role
KENNY,JH ;PORTER,DL
1981 september telephone engineer and mgmt v85 17
ablinform81024525

L

01/20* is there is a spy in the sky. innovation and the values of freedom
LINOWES,DF
1981 august vital speeches v47 21
management197753

01*the world computer industry, '80 to '85:network strategies for suppliers and
users
LITTLE,AD,INC
1981 april
find svp005943

01/33*the netherlands in the information age: a context for discussion on
information policy
LITTLE,AD,INC ;DE.KONING,HE
1981
econ.abs7556419

M

01/26*communications in the 80's: satellites or fiber optics
MARSH,P
1981 july new sci. v91 1263
pira066802

01/55/26*green light for satellite television
MARSH,P
1981 april new sci. v90 1251
pira065037

01/33/36*the legacy
MARION,L
1981 july forbes v128 1
management189249

01/30/24*telematics are here: ec working on common european strategy
MOSSETIG,M
1981 may europe 225
abiinform81011633

01/05/10*the information society: the path to post industrial growth
MOLITOR,GIT
1981 april futurist v15 2
abiinform81010597

N

01*infotel'81: the future of telecommunications
NELSON,M
1981 march wilson library bulletin v55 7
eric ej242808

01/50*arthur d little;inc delivers study to port authority of ny and nj re:
market for their planned teleport: world's first communication center capable of
linking nyc area businesses with businesses
around the world via satellite;subscribers would be able to communicate by
voice, computer or tv; world trade center dir guy tozzoli says study shows
substantial market for service
NEW.YORK.TIMES
1981 june 14 new york times p49
nyt1b165-81-78

O

01*information activities,electronics and telecommunications technologies. v1
impact on employment, growth rate and trade
OECD
1981 oecd
econ.abs7570004

01/05/21*2081: new report from the architect of the high frontier assays five
emerging technologies and their impact on society
O'NEILL,GK
1981 may omni v3
magazine0490116

P

01*the future of telecommunications: a delphi survey
PELTON,JN
1981 winter journal of communication v31 1
eric ej 238378

01* active steps to improve British telecom accounts
PERRYMAN,D
1981 october the accountant v185 5566
management201776

R

01/55*french dgt forges ahead on telematique project
RAGGETT,RJ
1981 august telephony v201 8
abiinform81021038 pira069757

S

15/01*information as a corporate asset
SPINOSA,CATELA,RC
1981 march information and management v4 1
abiinform81012658

01/52*telematics and long-distance transmission
SCHNEIDER,R
1981 oct fr. graphique 398 la french
pira069176

01/55,*murphys law
SLOAN,A ;BAKER,T
1981 march forbes v127 6
managener:183147

01/50/55*global information networks
STRATEGIC.INC
1981 march
find svp004905

01/33*eighth annual telecommunications policy research conference
SIRBU,MA \$15,000
1981 mit, center for policy alternatives
ssie0168554

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01*media info. netherlands amsterdam, vnu tijdschriftengroep
TIJDSCHRIFTENGROEP
1981 la dutch
econ.abs7556769

U

01*the growing threat of government secrecy
UNGER,SH
1982 feb tech r 85:30-3
pais294927

01/30/50*international information flow
US/HOUSE committee on government operations
1980 dec
gpo8103973

V

01/52*de computer nu en morgen
VAN.DEN.BALCH,V
1981 feb economisch en sociaal tijdschrift 35 1 la dutch
econ.abs7540665

01/26* communication and control in the Canadian north:the role of interactive
satellites
VALASKAKIS,GG
1981 march sietar conference paper
eric ed206266

W

21/01*the substitution of telecommunications for travel
WILKS,DF
1981 inst. of engineers, australia
tris341384

36/01/34*canada agency orders gte unit to allow some telephone ties
WALL.STREET.JO
1981 november 25 wall street journal
dow jones

01/25*market changes direction
WHITE,CE
1981 april telecommunications v15 4
abiinform81010874

X

Y

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INFORMATION EXCHANGE IN GENERAL

A

02/30*transnational communication knowledge transfer and utilization process:the
us - asean case
ADHIKARYA,R
1981 phd stanford
dissr.abs861558

B

02*euronet diane
BRUDERER,W
1981 nachr.,nou.v.,notiz 57 2
la german
lisa8105874

02*organization, audience and effectiveness of communications channels serving
rural areas
BURNETT,C
1981 university of Wisconsin,
ssie0391081

02*scientific and technical information exchange in earthquake research between
the us and the peoples republic of china-eri delegation
BLUME,JA \$28,800
1982 earthquake engineering research institute
ssie0322641

C

D

E

50/02*free flow of human rights information: the need for a systematic communications network

ENNALIS,M

1981 international social science journal v33 1
eric ej249263

F

G

H

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02*marine environmental data information referral system,group of experts on
INIL.OCEAN.CIR working committee on IODE

1981 march
unesco81s0409

02*development of a programme for responsible national oceanographic data
centers, group of experts

INIL.OCEAN.CIR working committee on IODE
1981 march
unesco81s0403

02*national coordinator for international oceanographic data exchange, usa
INIL.OCEAN.CIR

1981 february
unesco81s0311

J

K

10/02/50*economics of information transfer using resource sharing networks
(network modeling simulation)
KENT,A \$233,496
1982 university of pittsburgh, school of education
ssie0177853

L

02/50*criminal justice information systems - security and systems upgrade
LEUBA,P
1981 state dept of public safety and correctional services, Maryland
ssie0239655

M

50/02*networks for aiding biomedical information transfer
MARCUS,RS ;REINTJES,JF \$78,505
1981 mit information and decision systems
ssie0276636

N

02/50*news system for farmers (global economic data exchange system)
NEW.YORK.TIMES
1981 july 9 new york times p37(n)pd16(1c)
nationalnews1768478,1768469,1768293

O

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02*clandestine tactics and technology(ett,information on terrorism to
subscribers)
PEREZ,MB
1981 may police chief 48
pais285290

Q

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30/02*librarianship soviet style: the vast expanse
RYAN,F
1981 december 15 library journal v106
magazine0580775

S

02*evaluation of a consat general pilot project to provide the usgs with a real
time hydrologic information service
SHOPE,WG ;US/DOI \$1,206,533
1983 us dept of the interior, geological survey
ssie0410200

02*s.s.i.e. support to ord information system (ordis)
SNYDERMAN,M ;HUNT,BL ;ELLIOT,DA \$80,000
1981 s.s.i.e.,data processing division
ssie0146405

T

U

02/30*symposium on regional and international mechanisms for the dissemination
and exchange of information
UNESCO meeting;document ;PAN-AFRICAN.NEWS.AGCY document
1981 july;oct;oct
unesco82s0111 unesco82s0016 unesco82s0028

V

02/30* towards an international information system (for socio-economic data)
VINOGRADOV,VA et al
1981 international social science journal v33 1
eric ej249261 unescoisn44924 pais286483

W

02*development of environmental technical information system
WEBSTER,RD ;GRIFFIN,B US/DOD
1981 us department of defense
ssie0196716

02/51*networks of scientific and technological information exchange in the
technological innovation process
WUTHNOW,R \$149,420
1981 princeton university, dept of sociology
ssie0177947

02*opening up the people's republic: library co-operation with china
WONG,W
1981 january wilson library bulletin v55
magazine0441258

X

Y

Z

T B D F IN PARTICULAR

A

03/22*union efforts in europe to use privacy laws magnify data flow issue
ANON
1981 feb business intl 28 8
econ.abs7540327

03/30*data flow: the us takes on europe
ANON
1981 july transnational data report 4(5)
inspec c002810

03/31/30*rules to facilitate tdf envisioned
ANON
1981 april transnational data report 4(3)
inspec c034147

24,03*transnational data report: information politics and regulation
ANON
1981
econ.abs7552003

B

03* transborder data flow and the new protectionism
BLUMENTHAL,WM
1981 july 1 vital speeches v47 18
management190496 abiinform81017194 magazine0509537

30/03*international information exchange: a us congressional view
BROWN,GE,jr
1981 april transnational data report 4(3)
inspec c034148

21/10/30/03*transborder data flow: barriers to the free flow of information
BLOCK,V
1981 september infosystems v28 9
ablinform81023148 inspec c002803

C

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03*Europeans tighten data flow
DREYFACK,K
1981 february 10 electronics v54
magazine0455043

E

03/31*new tdf concerns surface (transborder data flow)
EMMETT,R
1981 february datamation v27
magazine0448201

F

G

03/31/22*oecd guidelines governing the protection of privacy and transborder
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