

AD-A226900

UNCLASSIFIED



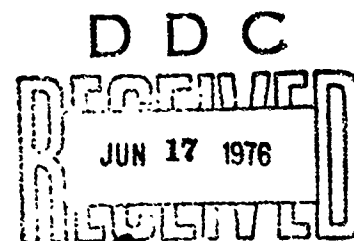
Defense Documentation Center

Defense Supply Agency

Cameron Station • Alexandria, Virginia



UNCLASSIFIED



✓

APPROPRIATE CODES		
SPECIAL		
A		

AD-A026900

(1)

Bibliography - 1

SELECTED BIBLIOGRAPHY AND INDEX TO PUBLICATIONS ABOUT ARPANET

Becker and Hayes, Inc.
11661 San Vicente Boulevard
Los Angeles, California 90049

This research was supported by the Defense Advanced Research Projects Agency under ARIA Order No. 1001/931, Contract No. 75 C 0288 CPFF

The views and conclusions contained in this document are those of the author and should not be interpreted as necessarily representing the official policies, either express or implied, of the Defense Advanced Research Projects Agency or the United States Government.

DDC
RECEIVED
JUN 17 1976
D

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

6		14	
1. TITLE (and Subtitle) Selected Bibliography and Index to Publications about ARPANET.		2. TYPE OF REPORT & PERIOD COVERED	
3. AUTHOR Becker & Hayes		4. REPORTING ORG. REPORT NUMBER B/H-BIB-C-4143	
5. PERFORMING ORGANIZATION NAME AND ADDRESS Becker & Hayes Inc. 11661 San Vincente Blvd. Los Angeles, CA 90049		6. CONTRACT OR GRANT NUMBER(s) MDA 90375C0288 ARPA Order No. 1001/931	
7. CONTROLLING OFFICE NAME AND ADDRESS Defense Advanced Research Projects Agency 1400 Wilson Bl., Arlington, VA 22209		8. REPORT DATE 15 Feb 76	
9. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Defense Advanced Research Projects Agency 1400 Wilson Bl., Arlington, VA 22209		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS	
11. DISTRIBUTION STATEMENT (of this Report) APPROVED FOR PUBLIC RELEASE DISTRIBUTION UNLIMITED		12. NUMBER OF PAGES 185	
13. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report) 15 MDA 903-75-C-0288 ✓ ARPA Order - 1001		14. SECURITY CLASS (of this report) UNCLASSIFIED	
15. SUPPLEMENTARY NOTES This is a Bibliography of the development of the ARPA Computer Network known to everyone as the "ARPANET."			
16. KEY WORDS (Continue on reverse side if necessary and identify by block number) Computer Technology Computer Networking			
17. ABSTRACT (Continue on reverse side if necessary and identify by block number) A selected bibliography has been developed of all documentation concerning research and development in the area of computer networking. This Program involved a great number of contractors and government organizations who cooperated in the development of the ARPANET system of computer interactions on a worldwide basis.			

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

409 758 1B

TABLE OF CONTENTS

Preface

Selected ARPANET Bibliography

Subject and Document Number Index

140

1

1

2

PREFACE

The network of computers and communications developed by the Advanced Research Projects Agency of the Department of Defense represents a major breakthrough in computer networking. ARPANET, as it is called, is a tightly knit collection of computer and communications equipment. Although the computers are of different manufacture and geographically dispersed, today's ARPANET communications and programming enables anyone with a computer terminal, from Hawaii to London, to interact with the network and use all or part of its combined resources.

This bibliography brings together references to the documentation published on the design and operation of ARPANET. It covers the period through 1975 and contains carefully selected references to articles and reports written by or about ARPANET.

Sources of references for this selected bibliography include: the Defense Documentation Center, the National Technical Information Service, the Educational Research Information Center, and other computer data bases. Manual searches were also made of such publications as the *Quarterly Bibliography of Computers and Data Processing*, *Computer Reviews*, *Computer Abstracts*, *Computer and Control Abstracts*, *Engineering Index*, *Applied Science and Technology Index*, *Government Research Reports Announcements*, and the *Science Citation Index*. Internal ARPANET technical documentation such as *Request for Comments* and the *Group Notes Indexes* maintained by the Network Information Center at Stanford Research Institute was also searched.

The bibliography is limited to material written specifically by or about ARPANET. Thus, references to documents on subjects such as network interconnection, computer networking in general, and research conducted on the ARPANET, but having no direct significance to the network's design or development, were omitted.

The bibliography is presented in two parts. Part I is a catalog, in alphabetical sequence by author, containing the full bibliographic references to the 561 items in the bibliography. Part II is a computer produced index (called KWOC, Keyword Out of Context) which will aid the user in locating references by subject and by document number such as AD numbers, NIC numbers, etc.

As part of its contract, and within the restrictions of the copyright law, Becker and Hayes also assembled the actual documents cited in the bibliography. These are available in a companion microfiche file which accompanies the bibliography.

To Jamshid Faryar of the Becker and Hayes staff goes the credit for preparing the bibliography and for locating the supporting materials. He did a superb job. Thanks also to authors of ARPANET material who suggested bibliographic references for inclusion: D. C. Walden, R. M. Metcalfe and L. Kleinrock among others; to the publishers who gave permission for the reproduction of copyrighted materials; to E. J. Feinler and the Network Information Center (NIC) for providing copies of NIC documents; to Carol Finney of the DDC on-line service facility in Los Angeles for processing our orders for NTIS documents; and to Carole Bailey, Nancy Culver and

6 - Bibliography

Althea Schultz for keyboarding and proofreading the text. And finally, of course, to Steve Walker and Craig Fields of ARPA for their advice and technical assistance.

In keeping with ARPA's spirit of technological innovation, advanced electronic publishing techniques were employed in the production of the bibliography. Keyboarding was done on IBM Selectric typewriters using an ANSI OCR special typing element. The manuscript was then read directly into the computer using Optical Character Recognition (OCR) equipment; and the resulting computer tape was finally used to drive an electronic photocomposition machine, the RCA Videocomp, to produce the final pages. The tape will also serve as a machine-readable data base and thus enable ARPA to make future revisions to the bibliography or search it on-line.

Joseph Becker

February 15, 1976

SELECTED ARPANET BIBLIOGRAPHY

- 001 Abrams, M. D. *Serving remote users on the ARPANET*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 11 Jul 72. NIC 10606, RFC 364
- 002 Abrams, M. D.; Hudson, J. A.; Meissner, P.; Pyke, T. N., Jr. and Rosenthal, R. M. *Use of computer networks in support of interactive graphics for computer-aided design and engineering*. Interim rept. Jul 71 - Jun 72. Washington, D. C., National Bureau of Standards, Institute for Computer Sciences and Technology, 30 Jun 72. 48 p. COM-74-10470/4GA, NBSIR-73-217
- 003 Abramson, N. *ALOHA system*. Final technical rept. 11 Oct 74. Honolulu, University of Hawaii, 11 Oct 74. 53 p. AD-A008 865/8GA
- 004 Abramson, N. *The ALOHA system*. ALOHA system technical rept. B72-1. Honolulu, University of Hawaii, Jan 72. 37 p. UH-B72-1, AFOSR-TR-72-0386, AD-737 117
Also as: 005.
- 005 Abramson, N. "The ALOHA System." In: Abramson, N. and Kuo, F. F. *Computer communication networks*. Englewood Cliffs, N. J., Prentice-Hall, 1973. p. 501 - 517.
Also as: 004.
- 006 Abramson, N. *The ALOHA system annual report, 1969*. Honolulu, University of Hawaii, Department of Electrical Engineering, Feb 70. 53 p. AFOSR-70-0416TR, AD-701 417
- 007 Abramson, N. "The ALOHA system - another alternative for computer communications." *AFIPS conference proceedings. Volume 37: 1970 Fall Joint Computer Conference, FJCC*, p. 281 - 285.
Also as: 008.
- 008 Abramson, N. *The ALOHA system - another alternative for computer communications*. Honolulu, University of Hawaii, Apr 70. 22 p. AD-707 853, AFOSR-70-1626TR, UH-B70-1
Also as: 007.
- 009 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 7. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 10 May 72. ASS NOTE 07, NIC 11289
- 010 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 6. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 8 May 72. ASS NOTE 06, NIC 11288

10 - Bibliography

- 011 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 5. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 4 May 72. ASS NOTE 05, NIC 11287
- 012 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 4. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 1 May 72. ASS NOTE 04, NIC 11286
- 013 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 2. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 20 Mar 72. ASS NOTE 02, NIC 11284
- 014 Abramson, N. *ARPANET Satellite System*. ARPANET Satellite System Note 1. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Mar 72. ASS NOTE 01, NIC 11283
- 015 Abramson, N. "Capacity and excess capacity of ALOHA channels." *Sixth Hawaii International Conference on System Sciences*, Jan 1973.
- 016 Abramson, N. "Digital broadcasting in Hawaii - the ALOHA system." *EDU-COM: Bulletin of the Interuniversity Communications Council* 9(1), Spring 1974, p. 9 - 13.
- 017 Abramson, N. *Excess capacity of a slotted ALOHA channel (continued)*. ARPANET Satellite System Note 30. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 6 Dec 72. ASS NOTE 30, NIC 13044
- 018 Abramson, N. *Excess capacity of a slotted ALOHA channel*. ARPANET Satellite System Note 26. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 Nov 72. ASS NOTE 26, NIC 12735
- 019 Abramson, N. "Packet switching with satellites." *AFIPS conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 695 - 702.
Also as: 020.
- 020 Abramson, N. *Packet switching with satellites*. Tech. rept. B73-2. Honolulu, University of Hawaii, Mar 73. 28 p. UH-B73-2, AD-761 544, AFOSR-TR-73-0984
Also as: 019.
- 021 Abramson, N. *University of Hawaii time-sharing system: ALOHA system*. Honolulu, University of Hawaii, Information Sciences Program, Oct 69. 8 p. UH-B69-1, AD-695 050, AFOSR-69-2591TR
In: Japanese.
Also in: *Data communications and processing* 1 (8), (Tokyo).
- 022 "Advanced projects in data processing." *EDP analyzer* 9(11), Nov 1971, p. 1 - 4.

- 023 Agnew, C. E.; Baran, P.; Caulkins, D. C.; Cerf, V. G. and Crane, R. C. *ARPA-NET management study: new application areas*. Quarterly tech. rept. no. 2. May - Jul 74. Palo Alto, Ca., Cabledata Associates, 5 Aug 74. 199 p.
CA-R-160, AD-787 039/7GA
See Also: 046 Baran, P. *ARPANET management study*.
- 024 Agnew, C. E.; Baran, P.; Caulkins, D. C.; Cerf, V. G. and Crane, R. C. *ARPA-NET management study: new application areas*. Quarterly tech. rept. no. 1. 5 Feb - 30 Apr 74. Palo Alto, Ca., Cabledata Associates, 5 May 74. 115 p.
CA-R-148, AD-783 508/5GA
See Also: 046 Baran, P. *ARPANET management study*.
- 025 Agnew, C. E.; Baran, P.; Caulkins, D. C.; Cerf, V. G. and Crane, R. C. *New applications for ARPANET developed information processing technology. Volume I: On the automation of the procurement process: present status, feasibility for improvements, proposed next steps and payoffs*. Final rept. Feb 74 - Jan 75. Palo Alto, Ca., Cabledata Associates, 3 Feb 75. 112 p.
CA-R-170, AD/A-006 900/5SL
See Also: 047 Baran, P. for Volume III; 230 Goldstein, P. for Volume II.
- 026 Ah Mai, K. L. *Pacific educational computer network study. Results of the second planning and review meeting, January 9, 1974*. Honolulu, University of Hawaii, ALOHA System, 31 May 74. 28 p.
ED-095 862, IR-001 042
- 027 Akkoyunlu, E. A.; Bernstein, A. J. and Schantz, R. E. "Interprocess communication facilities for network operating systems." *Computer* 7(6), Jun 74, p. 46 - 55.
- 028 Alsberg, P. A. "Automated resource sharing on the ARPANET." CAC working paper presented at the *BBN Workshop on Automated Resource Sharing*, 21 May 73.
- 029 Alsberg, P. A. "Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks." *Eighth Hawaii International Conference on System Sciences*, Jan 1975, p. 91 - 94.
- 030 Amara, R. and Vallee, J. "Forum: a computer-based system to support interaction among people." *Information processing 74. Proceedings of the IFIP Congress 74. 5. Systems for management and administration*, 1974, p. 1052 - 1056.
— *Analysis and optimization of store and forward networks*. See same title under Frank, H.
- 031 Anderson, R. H.; Harslem, E. F.; Heafner, J. F.; Cerf, V. G.; Madden, J.; Metcalfe, R. M.; Shoshani, A.; White, J. and Wood, D. C. "The data reconfiguration service—an experiment in adaptable process/process communication." *ACM/IEEE Second Symposium on Problems in the Optimization of Data Communications Systems*, 1971, p. 1 - 9.
IEEE CAT-71C59-C
Also as: 032.

12 - Bibliography

- 032 Anderson, R. H.; Cerf V. G.; Harslem, E. F.; Heafner, J. F.; Madden, J.; Metcalfe, R. M.; Shoshani, A.; White, J. P. and Wood, D. C. *The data reconfiguration service - an experiment in adaptable, process/process communication*. Santa Monica, Ca., RAND Corp., Jul 71. 22 p. RC-P-4673, AD-735 078
Also as: 031.
- 033 Anderson, R. H. et al. *Data reconfiguration service - an implementation specification*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 25 May 71. RFC 166, NIC 06780
- 034 Anderson, R. H. et al. *Data reconfiguration service - compiler/interpreter*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jul 71. RFC 194, NIC 07139
- 035 Anderson, R. H. et. al. *Status report on proposed data reconfiguration service*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 28 Apr 71. RFC 138, NIC 06715
- 036 *ARPA network current network protocols*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Aug 71. NIC 07104
See: 437.
- 037 "ARPA network rationale: a 5-year re-evaluation." *Telecommunications research in the United States and selected foreign countries: a preliminary survey. Volume I: Summary*. Report to the National Science Foundation prepared by The Panel on Telecommunications Research, Committee on Telecommunications, National Academy of Engineering. Washington, D. C., National Academy of Engineering, Jun 73. p. 47 - 48. PB-222 080-SET
- 038 *ARPANET: design, operation, management and performance*. Glen Cove, N. Y., Network Analysis Corporation, Apr 73. 148 p.
- 039 *ARPANET directory*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jul 75. 114 p. NIC 32992
Available only to ARPANET users from the Network Information Center.
- 040 *ARPANET directory*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jan 74. NIC 19275
Superseded by 039.
- 041 *ARPANET directory*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI). NIC 05150
Superseded by 039.
- 042 *ARPANET news*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI). NIC 19720.

- 043 Sanford, H. C. and Wagner, D. H. *USAWC curriculum and the ARPANET*. Special project rept. Carlisle Barracks, Pa., Army War College, 22 Feb 73. 39 p.
AD-760 889
- 044 Baran, P.; Lipinski, H. M.; Miller, R. H. and Randolph, R. H. *ARPA policy-formulation interrogation network*. Semi-annual tech. rept. 6 Sep 72 - 6 Mar 73. Menlo Park, Ca., Institute of the Future, 5 Apr 73. 160 p.
SR-24, AD-758 716
See Also: same title under Vallee, J.
- 045 Baran, P. *ARPA policy-formulation interrogation network*. Semi-annual tech. rept. 6 Mar - 6 Sep 72. Menlo Park, Ca., Institute of the Future, 5 Oct 72. 20 p.
SR-23, AD-749 800
See Also: same title under Vallee, J.
- 046 Baran, P.; Caulkins, D. C.; Cerf, V. G.; Crane, R. C. and Goldstein, P. *ARPA-NET management study*. Final tech. rept. Mar - Dec 73. Palo Alto, Ca., Cabledata Associates, 20 Jan 74. 308 p.
CA-R-123, AD-777 747/7GA
See Also: Agnew, C. E. *ARPANET management study: new application areas*.
- 047 Baran, P. *New applications for ARPANET developed information processing technology. Volume III. Briareus - computer netting for design, fabrication and repair of electronic equipment*. Final rept. Feb 74 - Jan 75. Palo Alto, Ca., Cabledata Associates, 3 Feb 75. 58 p.
CA-R-165, AD/A-006 902/1SL
See Also: 025 Agnew, C. E. for Volume I
230 Goldstein, P. for Volume II
- 048 Baran, P.; Boehm, S. and Smith, P. *On distributed communications*. RAND series of 11 reports. Santa Monica, Ca., RAND Corp., Aug 64:
- 049 I. Introduction to communication networks. 37 p.
RC-RM-3420-PR, AD-444 830
- 050 II. Digital simulation of hot-potato routing in a broadband distributed communication network. 49 p.
RC-RM-3103-PR, AD-444 834
- 051 III. Determination of path-lengths in a distributed network. 91 p.
RC-RM-3578-PR, AD-444 833
- 052 IV. Priority, precedence, and overload. 63 p.
RC-RM-3638-PR, AD-444 840
- 053 V. History, alternative approaches, and comparisons. 51 p.
RC-RM-3097-PR, AD-444 838
- 054 VI. Mini-cost microwave. 101 p.
RC-RM-3762-PR, AD-444 835

14 - Bibliography

- 055 VII. Tentative engineering specifications and preliminary design for a high-data-rate distributed network switching node. 85 p.
RC-RM-3763-PR, AD-444 832
- 056 VIII. The multiplexing station. 103 p.
RC-RM-3764-PR, AD-444 831
- 057 IX. Security, secrecy, and tamper-free considerations. 39 p.
RC-RM-3765-PR, AD-444 839
- 058 X. Cost analysis. 21 p.
RC-RM-3766-PR, AD-444 836
- 059 XI. Summary overview. 23 p.
RC-RM-3767-PR, AD-444 837
- 060 Baran, P. "On distributed communications networks." *IEEE transactions on communication systems* CS-12(1), Mar 1964, p. 1 - 9.
- 061 Barker, W. *A multiprocessor design*. Cambridge, Ma., Bolt Beranek and Newman, Sep 75.
BBN-R-3126
- 062 Barr, W. J. *Cost effective analysis of network computers*. Master's Thesis. Urbana, University of Illinois, Department of Computer Science, Aug 72. 74 p.
UIUC-DCS-R-72-538. PB-211 784.
- 063 Becker, H. B. "Information network example: The Advanced Research Projects Agency Network." Section V of his *Functional analysis of information networks: a structured approach to the data communications environment*. New York, Wiley-Interscience, 1973. p. 247 - 264.
- 064 Bell, C. G. "More power by networking." *IEEE spectrum* 11(2), Feb 1974, p. 40 - 45.
- 065 Belsnes, D. *Flow control in packet switching networks*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Oct 74.
INWG NOTE 63
- 066 Bengelloun, S. A. *MDC-programmer: a muddle-to-datalanguage translator for information retrieval*. Technical memo. Cambridge, Ma., MIT, Project MAC, Oct 74. 68 p.
MAC-TM-53, AD-786 754/2GA
- 067 Benjamin, R. T. and Karp, P. M. *ARPA network experimentation using existing data management systems*. Washington, D. C., Mitre Corporation, 21 Jun 71. 22 p.
MC-WF-7809
- 068 Benoit, J. W. and Graf-Webster, E. "Evolution of user services—the network resource manager." *74 Symposium: Computer networks: trends and applications*, May 1974, p. 21 - 24.
IEEE CHO835-9C

- 070 Bernard, D. *Intercomputer networks: an overview and a bibliography*. Pennsylvania University, May 1973, 154 p.
AD-769 232/0
- 071 Bernstein, M. I. *Interactive systems research*. Santa Monica, Ca., System Development Corporation, 30 Nov 73. 77 p.
AD-776 236/2
- 072 Bhushan, A. K. *Another look at Data and File Transfer Protocols*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Apr 72.
RFC 310, NIC 09261
- 073 Bhushan, A. K.; Kanodia, R.; Metcalfe, R. M. and Postel, J. B. *Comments on byte size for connections*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 14 Jun 71.
RFC 176, NIC 07100
- 074 Bhushan, A. K. et al. *The Data Transfer Protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 Nov 71.
RFC 264, NIC 07812
- 075 Bhushan, A. K. et al. *The File Transfer Protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 8 Jul 72.
RFC 354, NIC 10596
- 076 Bhushan, A. K. et al. *The File Transfer Protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 17 Nov 71.
RFC 265, NIC 07813
- 077 Bhushan, A. K. *Scenarios for using ARPANET computers*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 29 Oct 71.
RFC 254, NIC 07695
Out of date—information no longer valid.
- 078 Bhushan, A. K.; Metcalfe, R. M. and Winett, J. *Socket conventions reconsidered*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 24 May 71.
RFC 167, NIC 06784
- 079 Binder, R.; Abramson, N.; Kuo, F. F.; Okinaka, A. and Wax, D. "ALOHA packet broadcasting - a retrospect." *AFIPS conference proceedings. Volume 44: 1975 National Computer Conference, NCC*, p. 203 - 215.
- 080 Binder, R. *ALOHA system multiplexer program description*. ALOHA System tech. rept. B71-3. Honolulu, University of Hawaii, Jun 71. 54 p.
UH-B71-3, AD-728 244, AFOSR-TR-71-2195
- 081 Binder, R. *Another ALOHA satellite protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 27 Dec 72.
ASS NOTE 32, NIC 13147

- 002 Dwyer, R.; Kettner, R. D. and Walden, D. C. *The Atlantic satellite packet broadcast and gateway experiments*. Cambridge, Ma., Bolt Beranek and Newman, Apr 75. BBN-R-3056
- 083 Binder, R. *Effects of retransmission delay on the degradation of an ALOHA channel*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 1 Nov 72. ASS NOTE 22, NIC 12166
- 084 Binder, R. *Multiplexing in the ALOHA system: Menchune-Keiki design considerations*. ALOHA System technical rept. B69-3. Honolulu, University of Hawaii, Nov 69. 60 p. UH-B69-3, AD-702 807, AFOSR-70-0741TR
- 085 Black, E. *The DMS message composer*. Cambridge, Ma., MIT Dynamic Modelling Center, 1974.
- 086 Blanc, R. P.; Cotton, J. W.; Dyke, T. M. and Watkins, S. W. *Annotated bibliography of the literature on resource sharing computer networks*. Washington, D. C., National Bureau of Standards, Sep 73. 97 p. COM-73-50750/1, GPO C13.10:384
- 087 Blanc, R. P. *Cost analysis for computer communications*. Final tech. note. Jul - Oct 73. Washington, D. C., National Bureau of Standards, Sep 74. 40 p. NBS-TN-845, COM-74-50925/6ST
- 088 Blanc, R. P. *Review of computer networking technology*. Technical note 804. Washington, D. C., National Bureau of Standards, Jan 74. "Existing networks - ARPANET," p. 91 - 103; "Conclusions - ARPANET," p. 114 - 117. COM-74-50136/2, NBS-TN-804, GPO-C13.46:804
- Blotnick, D. L., See: [Illiac IV application research].
- 089 Bobrow, D. G.; Burchfiel, J. D.; Murphy, D. L. and Tomlinson, R. S. *TENEX, a paged time sharing system for the PDP-10*. Cambridge, Ma., Bolt Beranek and Newman, 15 Aug 71. 53 p. BBN-R-2180, AD-729 261
Also as: 090, 091.
- 090 Bobrow, D. G.; Burchfiel, J. D.; Murphy, D. L. and Tomlinson, R. S. "TENEX, a paged time sharing system for the PDP-10." *Communications of the ACM* 15(3), Mar 1972, p. 135 - 143.
Also as: 089, 091.
- 091 Bobrow, D. G.; Burchfiel, J. D.; Murphy, D. L. and Tomlinson, R. S. "TENEX: a paged time-sharing system for the PDP-10 (Abstract)" *Symposium on Operating Systems Principles*, October 1971, p. 1.
Also as: 089, 090.
- 092 Boehm, B. W. and Mobley, R. L. "Adaptive routing techniques for distributed communications systems." *IEEE transactions on communications technology* COM-17(3), Jun 1969, p. 340 - 349.

- 093 Boehm, B. W. and Mobley, R. L. *Adaptive routing techniques for distributed communication systems*. Santa Monica, Ca., RAND Corp., Feb 66. 78 p.
RC-RM-4781-PR, AD-630 271
- 094 Boehm, B. W. and Mobley, R. L. *A computer simulation of adaptive routing techniques for distributed communications systems*. Santa Monica, Ca., RAND Corp., Feb 66. 35 p.
RC-RM-4782-PR, AD-630 301
- 095 Bortels, W. H. *Simulation of interference of packets in the ALOHA system*. ALOHA System technical rept. B70-2. Honolulu, University of Hawaii, Mar 70. 30 p.
UH-370-2, AD-705 617, AFOSR-70-1254TR
- 096 Bouknight, W. J. and Denenberg, S. *ANTS - a new approach to accessing the ARPA network*. University of Illinois Report CAC No. 47. Urbana, University of Illinois Center for Advanced Computation, Jul 72. UIUC-CAC-47
- 097 Bouknight, W. J.; Grossman, G. R. and Grothe, D. M. "ARPA Network Terminal System: a new approach to network access." *DATACOMM 73: Data networks analysis and design. Third Data Communications Symposium, 1973*, p. 73 - 79.
IEEE 73CHO828-4C
- 098 Bouknight, W. J. *ARPA Network Terminal System user's handbook*. Urbana, University of Illinois.
- 099 Bouknight, W. J. *The IMP interface manual*. NTS report #2. Network Technical Systems Project. Urbana, University of Illinois, Jul 73.
UIUC-NTS-R-2
- 100 Braden, R. T. *Interim NETRJS specifications*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 Jul 71.
RFC 189, NIC 07133
- 101 Braden, R. T. *NETRJT - remote job service protocols for TIPS*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 20 Dec 71.
RFC 283, NIC 08165
- 102 Braden, R. T. and Feigin, S. C. *Programmers guide to the exchange*. Los Angeles, Campus Computing Network, University of California, Mar 72.
- 103 Bressler, R. D. and Thomas, R. H. *FTP server-server interaction - II*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 26 Mar 73.
RFC 478, NIC 14947
- 104 Bressler, R. D. *Interprocess communication on the ARPA computer network*. M. S. Thesis, Civil Engineering. Cambridge, Ma., MIT, Jun 71.
- 105 Bressler, R. D.; Kralej, M. F. and Michel, A. "Pluribus: a multiprocessor for communications networks." *ACM/NBS Technical Symposium - computing in the mid-70's: an assessment*, Jun 1975, p. 13 - 19.

- 106 Bressler, R. D.; Murphy, D. and Walden, D. C. *A proposed experiment with a message switching protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 May 72.
NIC 09926, RFC 333
- 107 Bressler, R. D.; Guida, R. and McKenzie, A. A. *Remote job entry protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 16 Oct 72.
NIC 12112, RFC 407
- 108 Brinton, J. "ARPA registers a big net gain: ARPANET." *Electronics* 44(26), 20 Dec 71, p. 64 - 5.
- 109 Briscoe, H. W. *Seismic network systems study*. Final rept. Cambridge, Ma., Bolt Beranek and Newman, 9 Aug 74. 84 p. AD-787 693/1ST, BBN-R-2865
- 110 Briscoe, H. W. *A study of the data collection processing and management system for a world-wide seismic network* Final tech. rept. Cambridge, Ma., Bolt Beranek and Newman, Computer Systems Division, 14 Sep 73. 68 p.
AD-775 388/2, BBN-R-2632
- 111 Bryan, R. F. *Exercising the ARPANET*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 8 Feb 72.
NIC 09074, RFC 302
- 112 Bryan, R. F. and Stoughton, R. M. *Research in on-line computation and computer network development*. Final rept. 1 Jul 71 - 31 Aug 73. Santa Barbara, UCSB Computer Systems Laboratory, 31 Oct 73. 30 p.
AD-769 675/0, UCSB-CSL-30
See Also: same title under Harris, D. O.
- 113 Buckley, J. E. "Packet switching." *Computer design* 13(4), Apr 1974, p. 10 - 14.
- 114 Burchfiel, J. D.; Tomlinson, R. and Beeler, M. "Functions and structure of a packet radio station." *AFIPS conference proceedings. Volume 44: 1975 National Computer Conference, NCC, May 1975*, p. 245 - 251.
— Burchfiel, J. D.; Thomas, R. H.; Myer, T. and Tomlinson, R. *Distributed computation and TENEX-related activities*. See under title.
- 115 Burchfiel, J. D. and Tomlinson, R. *Proposed change to host-host protocol: resynchronization of connection status*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 20 Feb 73.
RFC 467, NIC 14741
- 116 Burchfiel, J. D. and Leavitt, E. M. *TENEX user's guide*. Cambridge, Ma., Bolt Beranek and Newman, May 71. See 502.
- 117 Burchfiel, J. D.; Cosell, B.; Tomlinson, R. and Walden, D. C. *TIP/TENEX reliability improvements*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 10 Jun 74.
RFC 636, NIC 30490

- 118 Butterfield, S.; Rettberg, R. D. and Walden, D. C. "The satellite IMP for the ARPA network." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 70 - 73.
- 119 Carlson, W. E. and Crocker, S. D. "The impact of networks on the software marketplace." *EASCON 74. IEEE Electronics and Aerospace Systems Convention*, 1974, p. 304 - 308. IEEE 74-CHO-883-1-AES
- 120 Carlstedt, J. *A message exchange for computer programs and terminals*. Santa Monica, Ca., RAND Corp., May 72. 70 p. RC-R-694-ARPA, AD-748 986
- 121 Carr, S.; Crocker, S. D. and Cerf, V. G. "Host-Host communication protocol in the ARPA network." *AFIPS conference proceedings. Volume 36: 1970 Spring Joint Computer Conference, SJCC*, p. 589 - 598.
- 122 Cerf, V. G. *An assessment of ARPANET protocols*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 22 Apr 74. RFC 635, NIC 30489
- 123 Cerf, V. G. *The current flow-control scheme for IMPSYS*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 24 Jan 73. RFC 442, NIC 13774
- 124 Cerf, V. G. et. al. "Experimental service for adaptable data reconfiguration." *IEEE transactions on communication COM-20(3)*, pt. 2, Jun 1972, p. 557 - 64.
- 125 Cerf, V. G. *Formation of network measurement group (NMG)*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 23 Mar 72. RFC 323, NIC 09630
- 126 Cerf, V. G. "Parry encounters the Doctor: conversation between a simulated paranoid and a simulated psychiatrist." *Datamation* 19(7), Jul 1973, p. 62 - 64.
- 127 Cerf, V. G. "Selected ARPA network measurement experiments. *COMPCON 72. IEEE Computer Society International Conference*, 1972, p. 34 - 7.
- 128 Cerf, V. G. and Naylor, W. E. "Storage considerations in store-and-forward message switching." *1972 WESCON technical papers*, (Papers presented at the 1972 Western Electronic Show and Convention), Volume 16: Session 7; Computer Networks, 1972, p. 7-3-1 to 7-3-8.
- 129 Cheatham, T. E., Jr. "ARPA update: Harvard use of ARPANET." *Planning for national networking. EDUCOM Spring Conference*, 6 Apr 73, p. 83 - 85.
- 130 Cheatham, T. E., Jr. *Networking and graphics research*. Final rept. 1 Sep 71 - 30 Sep 73. Cambridge, Ma., Harvard University, Jan 74. 27 p. AD-775 145/6GA

20 - Bibliography

- 131 Chou, W. and Frank, H. "Routing strategies for computer network design." *International Symposium on Computer Communications Networks and Teletraffic*, Apr 1972, p. 301 - 309.
- 132 Cohen, D. and Taft, E. "Fast interactive computer graphics over the ARPA network." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 19 - 21.
- 133 Cole, G. D. and Kleinrock, L. "An analysis of the separation between packets in a store-and-forward network." *International Symposium on Computer Communications Networks and Teletraffic*, Apr 1972, p. 1 - 3.
- 134 Cole, G. D. *Computer network measurements: techniques and experiments*. Los Angeles, UCLA, Computer Systems Modeling and Analysis Group, Oct 71. 350 p. UCLA-CSMAG-ENG-7165, AD-739 344, NIC 10168
- 135 Cole, G. D. "Performance measurements on the ARPA computer network." *ACM/IEEE Second Symposium on Problems in the Optimization of Data Communications Systems*, 1971, p. 39 - 45. IEEE CAT-71C39-C
- 136 Cole, G. D. "Performance measurements on the ARPA computer network." *IEEE transactions on communication* COM-20(3), pt. 2, Jun 1972, p. 630-636.
- 137 *Computer networking. Report bibliography*. Feb 65 - Dec 74. Alexandria, Va., Defense Documentation Center, May 1975. 332 p. DDC-TAS-75-9, AD-A010 200/4SL
- 138 *Computer networks: the heralds of resource sharing*. A movie written and directed by Steve King. 1972.
- 139 "Computer talk: ARPANET." *Scientific American* 226(6), Jun 1972, p. 52 - 3.
- 140 Cosell, B. and Walden, D. C. *TELNET issues*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 5 Jan 73. RFC 435, NIC 13675
- 141 Cotton, I. W. "Network management survey." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 6 - 9.
- 142 Cotton, I. W. *Network management survey, "ARPA network"*. Technical note 805. Washington, D. C., National Bureau of Standards, Institute for Computer Sciences and Technology, Feb 74. p. 4 - 21. NBS-TN-805, COM-74-50173/5GA, ED 092 162, IR 000723
- 143 Craig, D. and Grooms, D. *Computer networks. A bibliography with abstracts*. Rept. for 1969-September 1974. Springfield, Va., National Technical Information Service (NTIS), Oct 74. 169 p. NTIS/WIN-74/081, COM-74-11572/6ST (Supersedes COM-73-11977), Superseded by NTIS/PS-75/524.

- 144 Crocker, S. D.; Heafner, J. F.; Metcalfe, R. M. and Postel, J. B. "Function-oriented protocols for the ARPA computer network." *AFIPS conference proceedings. Volume 40: 1972 Spring Joint Computer Conference, SJCC*, p. 271 - 279.
- 145 Crocker, S. D. *Host-Host protocol document number 1*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Aug 70. NIC 05143
- 146 Crocker, S. D. *Proposal for a network standard format for a data stream to control graphics display*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 5 Jan 71. RFC 086, NIC 05631
- 147 Crowther, W. R.; Heart, F. E.; McKenzie, A. A.; McQuillan, J. M. and Walden, D. C. "Issues in packet-switching network design." *AFIPS Conference Proceedings. Volume 44: 1975 National Computer Conference, NCC*, May 1975, p. 161 - 175.
- 148 Crowther, W. R.; Heart, F. E.; McKenzie, A. A.; McQuillan, J. M. and Walden, D. C. *Network design issues*. Cambridge, Ma., Bolt Beranek and Newman, Nov 74. BBN-R-2918
 In: BBN-QTR-7(F)
 BBN-R-2913
 AD/A-000 556
- 149 Crowther, W. R.; McQuillan, J. M. and Walden, D. C. "Reliability issues in the ARPA Network." *DATAComm 73: Data networks analysis and design. Third Data Communications Symposium, 1973*, p. 159 - 160. IEEE 73CHO623-4C
- 150 Crowther, W. R.; Rettberg, R. D.; Walden, D. C.; Ornstein, S. M. and Heart, F. E. *A system for broadcast communication: reservation ALOHA*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 21 Nov 72. NIC 12744, ASS NOTE 28
 Also in: *Sixth Hawaii International Conference on System Sciences*, Jan 1973, p. 371 - 374.
- Crowther, W. R. and Walden, D. C. *User's guide to the Terminal IMP (Interface Message Processor): see Terminal Interface Message Processor - user's guide to the Terminal IMP.*
- 151 *Current network protocols*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI). NIC 08246
 See Also: 036 ARPA network current network protocols.
- 152 "Data traffic measurements guide. Improvements to resource-sharing network." *Communications equipment and systems design*, Jun 1972, p. 2 - 4.

22 - Bibliography

- 153 *Datacomputer project*. Semi-annual technical rept. 1 Jul 74 - 31 Dec 74. Cambridge, Ma., Computer Corporation of America, 31 Dec 74. 110 p.
AD-A008 877/3SL
- 154 *Datacomputer project*, technical report. Final rept. 1 Aug 73 - 28 Feb 74. Cambridge, Ma., Computer Corporation of America, 28 Feb 74. 101 p.
AD/A-002 083/4SL
- 155 *Datacomputer project*. Semi-annual technical rept. 13 Mar - 30 Jun 74. Cambridge, Ma., Computer Corporation of America, 30 Jun 74. 96 p.
AD-787 677/4ST
- 156 *Datacomputer project*. Semi-annual technical rept. 1 Aug 72 - 31 Jan 73. Cambridge, Ma., Computer Corporation of America, 31 Jan 73. 37 p.
- 157 *Datacomputer project*. Semi-annual technical rept. 1 Feb 73 - 31 Jul 73. Cambridge, Ma., Computer Corporation of America, 73. 58 p.
AD-770 881/1GA
- 158 *Datacomputer project*. Semi-annual technical rept. 1 Feb 72 - 31 Jul 72. Cambridge, Ma., Computer Corporation of America, 72. 59 p.
AD-757 181
- 159 *Datacomputer support of seismic data activity*. Quarterly tech. rept. 1 Feb - 30 Apr 75. Cambridge, Ma., Computer Corporation of America, May 75. 15 p.
AD-A010 556
- 160 *Datacomputer support of seismic data activity*. Annual technical rept. 22 Apr - 31 Dec 74. Cambridge, Ma., Computer Corporation of America, 30 May 75. 12 p.
AD-A010 235/0SL
- 161 *Datacomputer support of seismic data activity*. Quarterly technical rept. 1 Nov 74 - 31 Jan 75. Cambridge, Ma., Computer Corporation of America, 21 Mar 75. 41 p.
AD/A-006 932/8SL
- 162 *Datacomputer support of seismic data activity*. Quarterly technical rept. 1 May - 31 Jul 74. Cambridge, Ma., Computer Corporation of America, 31 Jul 74. 20 p.
AD-787 017/3SL
- 163 *Datacomputer support of seismic data activity*. Quarterly technical rept. 1 Aug - 31 Oct 74. Cambridge, Ma., Computer Corporation of America, 26 Nov 74. 13 p.
AD/A-001 560/2ST
- 164 Davidson, J. *The ALOHA system interface to TSO (Time Sharing Operation)*. Technical rept. B72-3. Honolulu, University of Hawaii, May 72. 35 p.
UH-B72-3, AFOSR-TR-72-1312, AD-746 051
- 165 Davidson, J. *An echoing strategy for satellite links*. ARPA Network Working Group Request for Comments 357. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 26 Jun 72.
RFC 357, NIC 10599

- 166 - 175 Davies, D. W. and Barber, D. L. A. *Communications networks for computers*. New York, John Wiley and Sons, 1973.
p. 300 - 309: "The ARPA Network: the communications sub-network; the Terminal IMP (TIP); applications of the ARPA Network; high-level protocols."
p. 347 + 351 - 2 + 368: [Comparison of the network structure for packet-switching: ARPA v. NPL.]
p. 388 - 396: "The ARPA original protocols."
p. 399 - 404: "ARPA Network experience."
p. 419 - 421: "Monitoring in the ARPA Network."
p. 448 + 449: "Stages in the layout of the ARPA network."
p. 451 - 457: "Optimization of network geography."
- 176 "Developments in data transmission." *EDP analyzer* 11(3), Mar 1973.
- 177 Dickson, P. A. "ARPA network will represent integration on a large scale." *Electronics* 41(20) 30 Sep 68, p. 131 - 134.
- 178 *Distributed computation and TENEX-related activities*. Quarterly progress rept. no. 2. 1 Feb - 30 Apr 75. Cambridge, Ma., Bolt Beranek and Newman, May 75. 35 p.
BBN-R-3089, AD-A011 131
- 179 *Distributed computation and TENEX-related activities*. Quarterly progress rept. no. 1, 1 Nov 74 - 31 Jan 75. Cambridge, Ma., Bolt Beranek and Newman, Feb 75. 38 p.
AD/A-006 735/SSL, BBN-R-3012
- 180 Doll, D. R. "Computer networking - the giant step in data communications." *Data communications systems* 2(1), Sep 1973, p. 25 - 31.
- 181 Dotson, W. P., Jr. *Network analysis and the reliability assessment of systems*. Final rept. Feb 72 - Apr 74. Kirtland AFB, New Mexico, Air Force Weapons Laboratory, June 74. 130 p.
AFWL-TR-74-138, AD-781 045/0GA
- 182 Dunn, D. A. and Eric, M. J. "The economics of packet switching." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 3C - 36.
- 183 Eastlake, D. F. *U. T. Cambridge, Ma., MIT, Artificial Intelligence Laboratory*, Apr 74. 11 p.
MIT-AI-M-292, AD-A010 916
- 184 Elie, M. "[The ARPA computer network and general purpose computer networks] Le reseau d'ordinateurs de l'ARPA et les reseaux generaux d'ordinateurs." *Revue Francaise d'Automatique Informatique Recherche Operationnelle* (France), 5(B2), Aug 1971, p. 19 - 42.

24 - Bibliography

- 185 Elie, M. *General purpose networks of computers*. Thesis. Los Angeles, UCLA, 1970. 125 p.
- 186 Ellis, T. O.; Harslem, E. F.; Heafner, J. F. and Uncapher, K. U. *ARPA Network series: I. Introduction to the ARPA Network at RAND and to the RAND Video Graphics System*. Santa Monica, Ca., RAND Corp., Sep 71. 48 p.
KC-R-664-ARPA, AD-733 049
- 187 Ellison, C. M. "Utah TENEX scheduler." *Proceedings of the IEEE* 63(6), Jun 75, p. 940 - 945.
- 188 "The emerging computer networks - the ARPA network." *EDP analyzer* 11(1), Jan 1973, p. 5.
- 189 Engelbart, D. C. "Coordinated information service for a discipline or mission-oriented community." *Time-sharing: past, present, and future. Second Annual Computer Communications Conference*, 1973, p. 2.1 - 2.4.
- 190 Engelbart, D. C. *Network Information Center and computer augmented team interaction*. Menlo Park, Ca., Stanford Research Institute, Augmentation Research Center, 30 Jun 71. 8 Feb 70 - 8 Feb 71. 105 p. AD-737 131
- 191 Engelbart, D. C. *On-line team environment (Network Information Center and computer augmented team interaction)*. Final technical rept. 9 Feb 71 - 9 May 72. Menlo Park, Ca., Stanford Research Institute, Augmentation Research Center. 8 Jun 72. 272 p. SRI-ARC-13041, AD-766 005/3
- 192 *An experimental computer network*. Final rept. 1 Jan 67 - 31 Mar 69. Lexington, Ma., MIT, Lincoln Laboratory, 30 Mar 69. 55 p. ESD-TR-69-74, AD-694 055
- 193 Falk, H. *Data communications*. "IEEE spectrum" 11(1), Jan 1974, p. 36 - 39.
- 194 Farber, D. J. et al. "The distributed computing system." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 31 - 34.
IEEE (73CHO716-IC)
- 195 Farber, D. J. "Networks: an introduction - the ARPA network." *Datamation* 18(4), Apr 1972, p. 36 - 37.
- 196 Fayolle, G.; Gelenbe, E.; Labetoulle, J. and Bastin, D. "Stability problem of broadcast packet switching networks." *Acta informatica* 4(1), 1974, p. 49 - 53.
— Feinler, E. J.; Jernigan, M. and Postel, J. *RFC - Index*. See 446.
- 197 Frank, H. and Frisch, I. T. "Analysis and design of survivable networks." *IEEE transactions on communications technology* COM-18, Oct 1970, p. 501 - 519.
- 198 Frank, H. *Analysis and optimization of store-and-forward computer networks*. Semiannual tech. summary rept. no. 1: 15 Oct 69 - 15 Jun 70. Glen Cove, N. Y., Network Analysis Corporation, 15 Jun 70. 68 p. AD-707 438, NIC 04623
See Also: Frank, H. *Research in store-and-forward computer networks*.

- 199 Frank, H.; Kleinrock, L. and Kahn, R. E. "Computer communication network design—experience with theory and practice." *AFIPS conference proceedings. Volume 40: 1972 Spring Joint Computer Conference, SJCC*, p. 255 - 270.
NIC 10273
Also in: *Networks* 2(2), 1972, p. 135 - 166.
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 254 - 269.
- 200 Frank, H. "Computer network design." *INTERCON 71. IEEE International Convention Digest*, 1971, p. 220 - 1.
- 201 Frank, H. and Frisch, I. T. "Design of large-scale networks." *Proceedings of the IEEE* 60(1), Jan 1972, p. 6 - 11.
- 202 Frank, H. and Frisch, I. T. "Design problems for computer networks." *Fifth Hawaii International Conference on System Sciences*, Jan 1972, p. 335 - 7.
- 203 Frank, H. and Chou, W. "Network properties of the ARPA computer network." *Networks* 4(3), 1974, p. 213 - 239.
- 204 Frank, H. and Hopewell, L. "Network reliability." *Datamation* 20(8), Aug 1974, p. 85 - 8.
- 205 Frank, H. "Optimal design of computer networks." In: Randall, R. *Courant Computer Science Symposium 3, 1970: Computer networks*, p. 167 - 183.
- 206 Frank, H. and Frisch, I. T. "Planning computer-communication networks: the ARPA computer network." In: Abramson, N. and Kuo, F. F. *Computer communication networks*. Englewood Cliffs, N. J., Prentice-Hall, 1973. p. 17 - 28.
- 207 Frank, H. *The practical impact of the recent computer advances on the analysis and design of large scale networks*. Semi-annual rept. no. 1. Glen Cove, N. Y., Network Analysis Corporation, May 73. 198 p.
AD-767 403/9GA
- 208 Frank, H. *The practical impact of recent computer advances on the analysis and design of large scale networks*. Semi-annual tech. rept. no. 2B. Glen Cove, N. Y., Network Analysis Corporation, Dec 73. 524 p.
AD-777 738/6GA
- 209 Frank, H. "Providing reliable networks with unreliable components." *DATA-COMM 73: Data networks analysis and design. Third Data Communications Symposium*, 1973, p. 161 - 164.
IEEE 73CHO828-4C
- 210 Frank, H. and Van Slyke, R. M. "Reliability considerations in the growth of computer communication networks." *NTC 73. National Telecommunications Conference*, 1973, Volume 2, Paper 22-D. 5 p.
IEEE 73CHO805-2NTC
- 211 Frank, H. *Research in store-and-forward computer networks*. Final rept. 13 Oct 69 - 12 Oct 72. Glen Cove, N. Y., Network Analysis Corporation, Dec 72. 125 p.
AD-757 090

26 - Bibliography

- 212 Frank, H. *Research in store-and-forward computer networks*. Semi-annual tech. rept. no. 5: 15 Dec 71 - 15 Jun 72. Glen Cove, N. Y., Network Analysis Corporation, 15 Jun 72. 93 p. AD-748 338
- 213 Frank, H. *Research in store-and-forward computer networks*. Semi-annual tech. rept. no. 4: 15 Jun - 15 Dec 71. Glen Cove, N. Y., Network Analysis Corporation, 15 Dec 71. 128 p. AD-737 403
- 214 Frank, H. *Research in store-and-forward computer networks*. Semi-annual tech. rept. no. 3: 15 Dec 70 - 15 Jun 71. Glen Cove, N. Y., Network Analysis Corporation, 15 Jun 71. 115 p. AD-728 442
- 215 Frank, H. *Research in store-and-forward computer networks*. Semi-annual tech. rept. no. 2: 15 Jun - 15 Dec 70. Glen Cove, N. Y., Network Analysis Corporation, Jan 71. 95 p. AD-719 416, NIC 10108
See Also: Frank, H. *Analysis and optimization of store-and-forward computer networks*.
- 216 Frank, H. and Chou, W. "Response time/capacity analysis of a computer-communications network." *International Computer State of the Art Report No. 24: Network Systems and Software*. Maidenhead, Berkshire, England, Infotech Information, 1973. p.
- 217 Frank, H. and Chou, W. "Routing in computer networks." *Networks* 1(2), 1971, p. 99 - 112. NIC 09046
Also as: "A heuristic approach to routing in computer networks." *Princeton Conference on Information Sciences and Systems*, Volume 5, 1971, p. 197 - 203.
- 218 Frank, H. and Chou, W. "Throughput in computer-communication networks." *International Computer State of the Art Report No. 6: Computer Networks*. Maidenhead, Berkshire, England, Infotech Information, 1971, p. 493 - 512.
- 219 Frank, H.; Frisch, I. T.; and Chou, W. "Topological considerations in the design of the ARPA computer network." *AFIPS conference proceedings. Volume 36: 1970 Spring Joint Computer Conference, SJCC*, p. 581 - 587. NIC 04567
- 220 Frank, H. and Chou, W. "Topological optimization of computer networks." *Proceedings of the IEEE* 60(11), Nov 1972, p. 1385 - 1397.
- 221 Fratta, L.; Gerla, M. and Kleinrock, L. "The flow deviation method: an approach to store-and-forward communication network design - Applications [to the design of the ARPA computer network]. *Networks* 3(2), 1973, p. 121 - 127. NIC 13030
- 222 Fultz, G. L. *Adaptive routing techniques for message switching computer-communication networks*. Los Angeles, UCLA, Computer Science Department, School of Engineering and Applied Science, Jul 72. 425 p. UCLA-ENG-7252, AD-749 678, NIC 11250

- 223 Fultz, G. L. and Kleinrock, L. "Adaptive routing techniques for store-and-forward computer communication networks." *ICC 71. International Conference on Communications*, Jun 1971, p. 39-1 to 39-8. IEEE-71C28-COM
Also in: *International computer state of the art report no. 6: Computer networks*. Maidenhead, Berkshire, England, Infotech Information, 1971. p. 541 - 562.
- 224 Gaarder, N. T. *ARPANET satellite system*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 24 Apr 72.
ASS NOTE 03, NIC 11285
See Also: same title under Abramson, N.
- 225 Gallenson, L.; Goldberg, J.; Mason, R.; Oestreicher, D. and Richardson, L. *PRIM user's manual*. Tech. rept. Marina Del Rey, Ca., Information Sciences Institute, Apr 75. 132 p. AD-A009 936, ISI/TM-75-1
- 226 Gerla, M. *The design of store-and-forward (S/F) networks for computer communications*. Los Angeles, UCLA, Computer Science Department, School of Engineering and Applied Science, Jan 73. 314 p. UCLA-ENG-7319, AD-758 704, NIC 15552
- 227 Gerla, M. "Deterministic and adaptive routing policies in packet-switched computer networks." *DATA COMM '73: Data networks analysis and design. Third Data Communications Symposium*, 1973, p. 23 - 28.
- 228 Gerson, G. M. and Winkler, A. J. *Proceedings of the Annual Computer Related Information Systems Symposium (4th) held at the United States Air Force Academy on 29 - 30 Jan 74*. Air Force Academy, Colorado, Dept. of Astronautics and Computer Science, 30 Jan 74. 197 p. AD-777 313/8
- 229 Gitman, I.; Van Slyke, R. M. and Frank, H. "On splitting random accessed broadcast communication channels." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 81 - 5.
- 230 Goldstein, P. *New applications for ARPANET developed information processing technology. Volume II. Security in the automated procurement process; secrecy vs. efficiency; a legal analysis*. Final rept. Feb 74 - Jan 75. Palo Alto, Ca., Cabledata Associates, 3 Feb 75. 59 p. CA-R-171, AD/A-006 901/3SL
See Also: 025 Agnew, C. E. for Volume I
047 Baran, P. for Volume III
- 231 Grothe, D. M. *FEESPOL manual*. CAC #500. Urbana, University of Illinois, Sep 71. UIUC-CAC-500, NIC 09047.
- 232 Grignetti, M. C. and Warnock, E. H. *Mixed-initiative information system for computer-aided training and decision making*. Final rept. Cambridge, Ma., Bolt Beranek and Newman, 15 Sep 73. 69 p. AD-772 416/4GA, EDO 087 474, IB 000 220

28 - Bibliography

- 233 Harris, D. O.; Howard, J. A. and Wood, R. C. *Research in on-line computation*. Tech. rept. 1 Jul 71 - 30 Jun 72. Santa Barbara, UCSB Computer Systems Laboratory, 30 Jun 72. 93 p. UCSB-CSL-22, AD-748 841
See Also: same title under Bryan, R. F.
- 234 Harris, D. O.; Howard, J. A. and Wood, R. C. *Research in on-line computation*. Tech. rept. 1 Jul 70 - 31 Aug 71. Santa Barbara, UCSB Computer Systems Laboratory, 30 Sep 71. 86 p. AD-735 300, AFCRL-71-0530
See Also: same title under Bryan, R. F.
- 235 Harslem, E. F. and Heafner, J. F. *Aspects of large-scale resources sharing through networks of computers*. Santa Monica, Ca., RAND Corp., May 72. 22 p. RC-P-4833, AD-748 927
Also in: *American Management Association Conference on System of Computers*, June 72.
- 236 Harslem, E. F. and Heafner, J. F. *The data reconfiguration service - an experiment in adaptable, process/process communication*. Santa Monica, Ca., RAND Corp., Nov 71. 29 p. RC-R-860-ARPA, AD-737 318
- 237 Harslem, E. F.; Heafner, J. F. and Wisniewski, T. D. *Data reconfiguration service compiler: communications among heterogenous computer centers using remote resource sharing*. Santa Monica, Ca., RAND Corp., Apr 72. 127 p. RC-R-887-ARPA, AD-745 751
- 238 Harslem, E. F. and Heafner, J. F. *Large scale sharing of computer resources*. Santa Monica, Ca., RAND Corp., Jun 72. 23 p. RC-P-4856, AD-750 283
- 239 Harslem, E. F. and Heafner, J. F. *Some thoughts on network graphics*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Feb 71. RFC 044, NIC 05725
- 240 Harslem, E. F. *Using network remote job entry*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 24 Feb 72. RFC 307, NIC 09258
- 241 Harslem, E. F. and Landa, S. D. *View: a distributed system for graphical analysis of large data bases*. Santa Monica, Ca., RAND Corp., Mar 73. 33 p. RC-F-4972, AD-765 924/6
- 242 Heart, F. E. "The ARPA network." *NATO International Advanced Study Institute, Sep 1973: Computer communication networks. Selected papers*. Edited by R. L. Grimsdale and F. F. Kuo. Leyden, the Netherlands, Noordhoff International Publishing, 1975. p. 19 - 33.
- 243 Heart, F. E. "Implications of the computer-communication partnership." *MEDINFO 74. The First World Conference on Medical Informatics, 1974*, p. 21 - 27.
Proceedings published by North-Holland, The Netherlands.

- 244 Heart, F. E.; Kahn, R. E.; Ornstein, S. M.; Crowther, W. R. and Walden, D. C. "The Interface Message Processor for the ARPA computer network." *AFIPS conference proceedings. Volume 36: 1970 Spring Joint Computer Conference, SJCC*, p. 551 - 567. N/C 04565
 Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 300 - 316.
 Green, P. E. and Lucky, R. W. eds. *Computer communications*. New York, IEEE Press, 1975. p. 375 - 391.
- Heart, F. E. *Interface Message Processors for the ARPA Computer Network*. Quarterly tech. rept. See under title.
- 245 Heart, F. E. "Networks and life-sciences: the ARPA network and Telenet." *The computer as a research tool in the life sciences. FASEB Aspen Conference, Jun 1974*.
Federation Proceedings, Federation of American Societies for Experimental Biology (FASEB) 33(12), Dec 74, p. 2399-2402.
- 246 Heart, F. E.; Ornstein, S. M.; Crowther, W. R. and Barker, W. B. "A new minicomputer/multiprocessor for the ARPA network." *AFIPS conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 529 - 537.
 Also in: Chu, W. W., ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 329 - 337.
NATO International Advanced Study Institute, Sep 1973: Computer communication networks. Selected papers. Edited by R. L. Grimsdale and F. F. Kuo. Leyden, the Netherlands, Noordhoff International Publishing, 1975. p. 366 - 74.
- 247 Heart, F. and Ornstein, S. M. "Software and logic design interaction in computer networks." *International Computer State of the Art Report No. 6: Computer Networks*. Maidenhead, Berkshire, England, Infotech Information, 1971. p. 423 - 462.
- 248 Higginson, P. L.; Hinchley, A. J.; Kenney, S. B.; Kirstein, P. T.; Lloyd, D.; Stokes, A. J. and Wilbur, S. R. *Collected papers on experiences with the London node of the ARPA computer network*. London, University College London, Dept. of Statistics and Computer Science, 1975. UCL-INDRA-1R-22
- 249 Higginson, P. L. et al. "The problems of connecting hosts into ARPANET via front end computers." *ACM Workshop on Distributed Computer Systems*, Darmstadt, October 1974. Also in 248
- 250 Hill, J. M. *Biocybernetics project*. Final rept. 20 Jun 73 - 31 Dec 74. Cambridge, Ma., Computer Corporation of America, Dec 74. 21 p. AD-A008 209
- 251 Hirsh, P. "ARPA network to go commercial" *Datamation* 18(4), Apr 1972, p. 106 - 8.

- 252 Hobgood, W. "Evaluation of an interactive-batch system network." *IBM systems journal* 11(1), 1972, p. 2 - 15.
- 253 Hopewell, L.; Chou, W. S.; Frank, H. "Architecture strategies for terminal oriented computer networks: a case study." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 118-123. IEEE (73CH0716-IC)
- 254 *Host/Host protocol for the ARPA network*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 71.
NIC 07147
Superseded by 364.
- 255 *[ILLIAC IV applications research]* Semi-annual tech. rept. 1 Oct 73 - 31 Mar 74. Urbana, University of Illinois, Center for Advanced Computation, 31 Mar 74. 29 p. UIUC-CAC-DN-74-119, AD-786 172/75T
- 256 *[ILLIAC IV applications research]* Semi-annual tech. rept. 1 Apr 73 - 30 Sep 73. Urbana, University of Illinois, Center for Advanced Computation, 1 Nov 73. 21 p. UIUC-CAC-93, AD-772 511/2GA
- 257 *[ILLIAC IV applications research]* Semi-annual tech. rept. 1 Oct 72 - 31 Mar 73. Urbana, University of Illinois, 1 May 73. 25 p. UIUC-CAC-74, AD-763 290
- 258 *[ILLIAC IV applications research]* Semi-annual tech. rept. 1 Apr 72 - 30 Sep 72. Urbana, University of Illinois, 31 Oct 72. 26 p. UIUC-CAC-48, AD-758 011
- 259 *[ILLIAC IV applications research]* Semi-annual tech. rept. Urbana, University of Illinois, Center for Advanced Computation. AD-740 766
- 260 *IMP operating manual*. Cambridge, Ma., Bolt Beranek and Newman, Apr 73. BBN-R-1877
- 261 *Initial design for Interface Message Processors for the ARPA computer network*. Cambridge, Ma., Bolt Beranek and Newman, Jan 69. 82 p. BBN-R-1763, AD-682 905, NIC 04157
- 262 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Jun 75. 129 p. BBN-TIR-89, AD-A012 811
Superseded by AD-A016 306, Sep 75.
- 263 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Feb 73. 130 p. BBN-TIR-89, AD-A008 876/5SL
Superseded by 262.
- 264 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Feb 73. 134 p. BBN-TIR-89, AD-786 133/9ST
Superseded by 262.

- 265 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Jun 74. 124 p.
BBN-TR-89, AD-781 466/8
Superseded by 262.
- 266 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Mar 74. 117 p.
BBN-TIR-89, AD-777 750/1GA
Superseded by 262.
- 267 *The Interface Message Processor program*. Technical information rept. TIR-89. Cambridge, Ma., Bolt Beranek and Newman, Feb 73. 132 p.
BBN-TIR-89, AD-771 295/3GA
Superseded by 262.
- 268 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Dec 74. 119 p.
BBN-R-1822-REV-74, AD/A-002 751/6SL
- 269 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Mar 74. 90 p.
BBN-R-1822-REV, AD-777 714/7GA
- 270 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Apr 73. 147 p.
BBN-R-1822-REV, AD-759 433
- 271 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Dec 72. 65 p.
BBN-R-1822, AD-753 532
- 272 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Apr 72. 46 p.
BBN-R-1822, AD-740 310
- 273 *Interface Message Processor: specifications for the interconnection of a Host and an Interface Message Processor (IMP)*. Cambridge, Ma., Bolt Beranek and Newman, Oct 71. 109 p.
BBN-R-1822, AD-732 033
- 274 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-2 (F08606-75-C-0032), 1 Apr - 30 Jun 75. Cambridge, Ma., Bolt Beranek and Newman, Jul 75. 83 p. BBN-QTR-2(F2), BBN-R-3106, AD-A013 370
- 275 *Interior Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-1(F08606-75-C0032), 1 Jan - 31 Mar 75. Cambridge, Ma., Bolt Beranek and Newman, Apr 75. BBN-QTR-1(F2), BBN-R-3063
- 276 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-8 (F08606-73-C0027), 1 Oct - 31 Dec 74. Cambridge, Ma., Bolt Beranek and Newman. 38 p.
BBN-QTR-8(F), BBN-R-2983, AD-A008 842/7SL

- 277 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-7 (F08606-73-C0027), 1 Jul - 30 Sep 74. Cambridge, Ma., Bolt Beranek and Newman, Oct 74. 63 p. BBN-QTR-7(F), BBN-R-2913, AD/A-000 556/15L
- 278 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-6 (F08606-73-C0027), 1 Apr - 30 Jun 74. Cambridge, Ma., Bolt Beranek and Newman, Jul 74. BBN-QTR-6(F), BBN-R-2852, AD-784 951/6GA
- 279 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-5 (F08606-73-C0027), 1 Jan - 31 Mar 74. Cambridge, Ma., Bolt Beranek and Newman, Apr 74. 25 p. BBN QTR-5(F), BBN-R-2816, AD/A-002 700/3SL
- 280 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-4 (F08606-73-C0027), 1 Oct - 31 Dec 73. Cambridge, Ma., Bolt Beranek and Newman, Jan 74. 39 p. BBN-QTR-4(F), BBN-R-2717, AD-773 419
- 281 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-3 (F08606-73-C0027), 1 Jul - 30 Sep 73. Cambridge, Ma., Bolt Beranek and Newman, Oct 73. 25 p. BBN-QTR-3(F), BBN-R-2667, AD-768 427
- 282 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-2 (F08606-73-C0027), 1 Apr - 30 Jun 73. Cambridge, Ma., Bolt Beranek and Newman, Jul 73. 18 p. BBN-QTR-2(F), BBN-R-2580, AD-763 734
- 283 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-1 (F08606-73-C0027), 1 Jan - 31 Mar 73. Cambridge, Ma., Bolt Beranek and Newman, Apr 73. 28 p. BBN-QTR-1(F), BBN-R-2541, AD-760 023
- 284 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-16 (DAHC 15-69-C-0179), 1 Oct - 31 Dec 72. Cambridge, Ma., Bolt Beranek and Newman, Jan 73. 44 p. BBN-QTR-16(D), BBN-R-2499, AD-754 441
- 285 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-15 (DAHC 15-69-C-0179), 1 Jul - 30 Sep 72. Cambridge, Ma., Bolt Beranek and Newman, Oct 72. 20 p. BBN QTR-15(D), BBN-R-2468, AD-750 772
- 286 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-14 (DAHC 15-69-C-0179), 1 Apr - 30 Jun 72. Cambridge, Ma., Bolt Beranek and Newman, Jul 72. 23 p. BBN-QTR-14(D), BBN-R-2396, NIC 11685, AD-745 766
- 287 *Interface Message Processors for the ARPA computer network.* Quarterly tech. rept. QTR-13 (DAHC 15-69-C-0179), 1 Jan - 30 Apr 72. Cambridge, Ma., Bolt Beranek and Newman, Apr. 72. 35 p. BBN-QTR-13(D), BBN-R-2353, NIC 06882, AD-740 799

- 288 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-12 (DAHC 15-69-C-0179), 1 Oct - 31 Dec 71. Cambridge, Ma., Bolt Beranek and Newman, Jan 72. 19 p. BBN-QTR-12(D), BBN-R-2309, NIC 09193, AD-736 213
- 289 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-11 (DAHC 15-69-C-0179), 1 Jul - 30 Sep 71. Cambridge, Ma., Bolt Beranek and Newman, Oct 71. 17 p. BBN-QTR-11(D), BBN-R-2270, NIC 09186, AD-731 687
- 290 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-10 (DAHC 15-69-C-0179), 1 Apr - 30 Jun 71. Cambridge, Ma., Bolt Beranek and Newman, Jul 71. 22 p. BBN-QTR-10(D), BBN-R-2175, NIC 09185, AD-727 622
- 291 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-9 (DAHC 15-69-C-0179), 1 Jan - 31 Mar 71. Cambridge, Ma., Bolt Beranek and Newman, Apr 71. 15 p. BBN-QTR-09(D), BBN-R-2123, NIC 06753, AD-722 367
- 292 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-8 (DAHC 15-69-C-0179), 1 Oct - 31 Dec 70. Cambridge, Ma., Bolt Beranek and Newman, Jan 71. 18 p. BBN-QTR-08(D), BBN-R-2103, AD-717 729, NIC 05749
- 293 *Interface message processors for the ARPA computer network*. Quarterly tech. rept. QTR-7 (DAHC 15-69-C-0179), 1 Jul - 30 Sep 70. Cambridge, Ma., Bolt Beranek and Newman, Oct 70. 17 p. BBN-QTR-07(D), BBN-R-2059, NIC 06019, AD-714 234
- 294 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-6 (DAHC 15-69-C-0179), 1 Apr - 30 Jun 70. Cambridge, Ma., Bolt Beranek and Newman, Jul 70. 17 p. BBN-QTR-06(D), BBN-R-2003, AD-709 621
- 295 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-5 (DAHC 15-69-C-0179), 1 Jan - 31 Mar 70. Cambridge, Ma., Bolt Beranek and Newman, Apr 70. 16 p. BBN-QTR-05(D), BBN-R-1966, AD-705 118
- 296 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-4 (DAHC 15-69-C-0179), 1 Oct - 31 Dec 69. Cambridge, Ma., Bolt Beranek and Newman, Jan 70. 15 p. BBN-QTR-04(D), BBN-R-1928, AD-699 946, NIC 04357
- 297 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-3 (DAHC 15-69-C-0179), 1 Jul - 30 Sep 69. Cambridge, Ma., Bolt Beranek and Newman, Oct 69. 16 p. BBN-QTR-03(D), BBN-R-1890, AD-696 122, NIC 06442

34 - Bibliography

- 298 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-2 (DAHC 15-69-C-0179), 1 Apr - 30 Jun 69. Cambridge, Ma., Bolt Beranek and Newman, Jul 69. 20 p. BBN-QTR-02(D), BBN-R-1837, AD-691 729
- 299 *Interface Message Processors for the ARPA computer network*. Quarterly tech. rept. QTR-1 (DAHC-15-69-C-0179), 2 Jan - 31 Mar 69. Cambridge, Ma., Bolt Beranek and Newman, Apr 69. 20 p. BBN-R-1783, AD-686 811, NIC 03772, BBN-QTR-01(D)
- 300 Johnson, P. R.; Schantz, R. E.; and Thomas, R. H. "Interprocess communication to support distributed computing." *ACM SIGCOMM-SIGOPS Interface Meeting on Interprocess Communication*, March 1975.
- 301 Johnson, P. R. and Thomas, R. H. *The maintenance of duplicate data bases*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 27 Jan 75. RFC 677, NIC 31507
- 302 Kahn, R. E. "The ARPA network - packet switching technology." *Communications Systems and Technology Conference, (IEEE)*, 1974, p. 134.
- 303 Kahn, R. E. and Crowther, W. R. "Flow control in a resource-sharing computer network." *ACM/IEEE Second Symposium on Problems in the Optimization of Data Communications Systems*, 1971, p. 108 - 116. IEEE CAT-71C59-C, NIC 11750
- 304 Kahn, R. E. and Crowther, W. R. "Flow control in a resource-sharing computer network." *IEEE transactions on communication COM-20(3)*, pt. 2, Jun 1972, p. 539 - 46.
Also in: Chu, W. W. (ed.) *Advances in computer communications*, Dedham, Ma., Artech House, Inc., 1974, p. 230 - 237.
- 305 Kahn, R. E. *Host accounting and administrative procedures*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 29 Apr 71. RFC 136, NIC 06713
- 306 Kahn, R. E. *Resource sharing computer communication networks*. Cambridge, Ma., Bolt Beranek and Newman, 31 Jul 72. 60 p. AD-749 378, BBN-R-2459
Also as: 307.
- 307 Kahn, R. E. "Resource-sharing computer communications networks." *Proceedings of the IEEE 60(11)*, Nov 1972, p. 1397 - 1407.
Also as: 306.
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 208 - 218.
Green, P. E. and Lucky, R. W. eds. *Computer communications*. New York, IEEE Press, 1975. p. 537 - 547.
- 308 Kahn, R. E. "Status and plans for the ARPANET." In: Greenberger, M.; Aro-nofsky, J.; McKenny, J. I. and Mass, W. F. *Networks for research and education: sharing computer and information resources nationwide*. Cambridge, Ma., MIT

Press, 1973, p. 51 - 54.

- 309 Kahn, R. E. and Crowther, W. R. *A study of the ARPA network design and performance*. Cambridge, Ma., Bolt Beranek and Newman, Aug 71. 36 p.
BBN-R-2161, AD-730 725, NIC 11748
- 310 Kahn, R. E. "Terminal access to the ARPA computer network." In: Rustin, R. *Courant Computer Science Symposium 3, 1970: Computer networks*, p. 147 - 166.
NIC 11749
- 311 Kalin, R. B. *Achieving reliable communication*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 10 Aug 71.
RFC 203, NIC 07168
- 312 Kalin, R. B. *A simplified NCP protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 13 Jul 70.
RFC 060, NIC 04762
- 313 Kanehira, E. *Teletype communications at optical frequencies for the ALOHA system*. Technical rept. Honolulu, University of Hawaii, Feb 71. 21 p.
UH-B71-1, AFOSR-TR-71-1203, AD-723 332
- 314 Karp, P. M. *A bibliography of literature on computer networking*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Dec 70. 34 p.
NIC 06025
- 315 Karp, P. M. and Seroussi, S. "Communications interface for computer networks." *IEEE transactions on communication COM-20(3)*, pt. 2, Jun 1972, p. 550 - 6.
- 316 Karp, P. M. "Data sharing using interprocess communication on a computer network." *International Symposium on Computer Communications Networks and Teletraffic*, Apr 1972, p. 527.
- 317 Karp, P. M. *Guide to network working group Requests For Comments*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Mar 71.
NIC 05819
Superseded by 446.
See Also: Postel, J. B. *Protocol information* (included with 437).
- 318 Karp, P. M. "Origin, development and current status of the ARPA network." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 49 - 52.
IEEE (73)CH0716-1C
- 319 Karp, P. M. *Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System (WWMCCS) based on the ARPA computer network technology*. Washington, D. C., Mitre Corporation, 7 Jul 71. 41 p.
MC-MTR-6019

36 - Bibliography

- 320 Karp, P. M.; McKay, D. B. and Wood, D. C. *Views on issues relevant to data sharing on computer networks*. Washington, D. C., International Business Machines Corporation, 12 May 71. 7 p.
NIC 06742
- 321 Kehl, W. B. "UCLA Campus Computing Network: an ARPANET resource." *EDUCOM: Bulletin of the Interuniversity Communications Council* 8(4), Winter 1973, p. 10 - 17.
- 322 Kimbleton, S. R. *Modeling considerations in computer communication resource control*. Research paper. Marina Del Rey, Ca., Information Sciences Institute, Jan 75. 16 p.
AD-A008 238/BSL
- 323 Kirstein, P. T. and Wilbur, S. R. "The impact of integrated message processing facilities on administrative procedures and inter-personal interactions." *EURO-COMP'75. European Computer Conference on Communications Networks*, Sep 1975.
Also in: 248.
- 324 Kirstein, P. T. "UK experiences with the ARPA computer network." In: Beauchamp, K. G., ed. *Exploitation of seismographic networks*. Leyden, The Netherlands, Noordhoff International Publishing, 1974. p. 55 - 80.
- 325 Kirstein, P. T. and Kenney, S. B. "The uses of the ARPA network via the University College London node." *IFIP/IIASA Joint Workshop on Data-Communications*, Sep 1975.
Also in: 248.
- 326 Kleinrock, L. "Analytic and simulation methods in computer network design." *AFIPS conference proceedings. Volume 36: 1970 Spring Joint Computer Conference, SJCC*, p. 569 - 579.
NIC 04566
- 327 Kleinrock, L. and Lam, S. S. *Analytic results with the addition of one large user. ARPANET Satellite System Note 27*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 30 Oct 72.
NIC 12736, ASS NOTE 27
- 328 Kleinrock, L. and Lam, S. S. *Approximations in the infinite population model for the ARPANET satellite system*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Oct 72.
ASS NOTE 17, NIC 11862
- 329 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Jan - Jun 74. Los Angeles, UCLA, Department of Computer Science, 30 Jan 74. 53 p.
AD-A008 422/BSI
- 330 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Jul - Dec 73. Los Angeles, UCLA, Department of Computer Science, 31 Dec 73. 307 p.
AD/A-004 167/BSL

- 331 Kleinrock, L.; Estrin, G.; Melkanoff, M.; Muntz, R. R. and Popek, G. *Computer network research*. Final tech. rept. Los Angeles, UCLA, Department of Computer Science, 31 Dec 73. 22 p.
AD/A-000 266/751, UCLA-ENG-7467
- 332 Kleinrock, L.; Estrin, G.; Melkanoff, M.; Muntz, R. R. and Popek, G. *Computer network research*. Semi-annual tech. rept. 1 Jan - 30 Jun 73. Los Angeles, UCLA, Department of Computer Science, 30 Jun 73. 67 p.
AD-769 706/3GA
- 333 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. 1 Jul - 31 Dec 72. Los Angeles, UCLA, Department of Computer Science, 31 Dec 72. 72 p.
AD-756 708
- 334 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Jan - Jun 72. Los Angeles, UCLA, Department of Computer Science, 30 Jun 72. 114 p.
AD-746 509
- 335 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Jul - Dec 71. Los Angeles, UCLA, Department of Computer Science, 31 Dec 71. 156 p.
AD-739 705
- 336 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. 1 Jan - 30 Jun 71. Los Angeles, UCLA, Department of Computer Science, 30 Jun 71. 136 p.
AD-727 989
- 337 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Los Angeles, UCLA, Department of Computer Science, 15 Aug 70. 122 p.
AD-711 342, NIC 01380
- 338 Kleinrock, L. *Computer network research*. Semi-annual tech. rept. Los Angeles, UCLA, Department of Computer Science, 15 Feb 70. 75 p.
AD-705 149
- 339 Kleinrock, L. "Computer networks." In: Cardenas, A. F.; Pressler, L. and Martin, M. A. *Computer science*. New York, Wiley-Interscience, 1972. p. 241 - 284.
- 340 Kleinrock, L. "Models for computer networks." *ICC 69. IEEE International Conference on Communications*, Volume 2, Jun 1969, p. 21-9 to 21-16.
IEEE-69C29-COM, NIC06610
- 341 Kleinrock, L. and Naylor, W. E. "On measured behavior of the ARPA network." *AFIPS conference proceedings. Volume 43: 1974 National Computer Conference and Exposition, NCCE*, p. 767 - 780.
- 342 Kleinrock, L. and Lam, S. S. "On stability of packet switching in a random multi-access broadcast channel." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, *Computer Nets Supplement*, p. 74 - 77.
- 343 Kleinrock, L. and Lam, S. S. "Packet switching in a slotted satellite channel." *AFIPS conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 703 - 710.

38 - Bibliography

- 344 Kleinrock, L. "Performance models and measurements of the ARPA computer network." *NATO International Advanced Study Institute, Sep 1973: Computer communication networks. Selected papers.* Edited by R. L. Grimsdale and F. F. Kuo. Leyden, the Netherlands, Noordhoff International Publishing, 1975.
- 345 Kleinrock, L. "Performance models and measurement of the ARPA computer network." *ONLINE 72. International Symposium on the Design and Application of Interactive Computer Systems*, May 1972, p.
- 346 Kleinrock, L. "Resource allocation in computer systems and computer-communications networks." *Information Processing 74. Proceedings of IFIP Congress 74. 1. Computer hardware and architecture*, 1974, p. 11 - 18.
- 347 Krilanovich, M. *Network PL1 subprograms*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 21 Apr 71.
NIC 05832, RFC 120
- 348 Kuo, F. F. *ALOHA system*. Annual technical rept., year ending 31 Dec 73. Honolulu, University of Hawaii, Jan 74. 32 p. UH-874-1, AD-773 416/3GA
- 349 Kuo, F. F. *The ALOHA system*. Final rept. Honolulu, University of Hawaii, Dec 73. 15 p. AFOSR-TR-0019, AD-773 327/2GA
- 350 Kuo, F. F. and Abramson, N. "Some advances in radio communications for computers." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 57 - 60. IEEE (73CHO716-IC), NIC 13643
Also as: 351.
- 351 Kuo, F. F. and Abramson, N. *Some advances in radio communications for computers*. Honolulu, University of Hawaii, Department of Electrical Engineering, Mar 73. 7 p. AD-761 543X, NIC 13643, UH-873-1, AFOSR-TR-73-0985
Also as: 350.
- 352 Landsberg, A. S. *ARPA network implementation under ADEPT*. Tech. memo. Santa Monica, Ca., System Development Corporation, 3 Mar 72. 12 p. Rept. no. SDC-TM-4891/000/00. SDC-TM-4891/000/000, AD-775 226/7GA
- 353 Lee, W. *The ALOHA system sixteen-channel multiplexer program module description*. Technical rept. B72-2. Honolulu, University of Hawaii, May 72. 39 p. UH-872-2, AFOSR-TR-72-1311, AD-746 064
- 354 LeGates, J. C. *The ARPA network technical aspects in nontechnical language*. Princeton, N. J., Interuniversity-Communications Council (EDUCOM), 11 Jul 71. 27 p.
- 355 Levin, K. D. *Organizing distributed data bases in computer networks*. Tech. rept. Philadelphia, Pa., Wharton School of Finance and Commerce, Dept. of Decision Sciences, Sep 74. 229 p. Rept. no. 74-09-01. AD/A-001 009/0ST

- 356 Liao, H. H. J. *Multiple access channels*. Ph.D. Thesis, Technical rept. A72-2, The ALOHA System. Honolulu, University of Hawaii, Sep 72. 126 p.
UHI-A72-2, AD-753 127, AFOSR-TR-72-2420
- 357 Liao, H. H. J. *Random access discrete address multiplexing communications for the ALOHA system*. ALOHA System technical rept. B70-2. Honolulu, University of Hawaii, Mar 70.
UHI-B70-2, AD-705 617, AFOSR-70-1254TR
- 358 Liao, H. H. J. *Random access discrete address multiplexing communications for the ALOHA system*. ALOHA System Technical Report B69-8. Honolulu, University of Hawaii, Aug 69.
UHI-B69-8
- 359 Licklider, J. C. R. "A hypothetical plan for a library-information network." In: Becker, Joseph, ed. *Proceedings of the Conference on Interlibrary Communications and Information Networks*. Chicago, American Library Association, 1971. p. 310 - 316.
ED 057 876
- 360 Licklider, J. C. R. et al. *Techniques, facilities and protocols for dialogue and interactive cooperation through the ARPA network*. Internal memo, ARPA Network Working Group Workshop at MIT, Oct 71.
- 361 Lu, S. *Dynamic analysis of slotted ALOHA with blocking*. Honolulu, University of Hawaii, 12 Mar 73.
ASS NOTE 36, NIC 14790
- 362 McCoy, C., Jr. *Improvements in routing for packet-switched networks*. Interim rept. Washington, D. C., Naval Research Laboratory, 18 Feb 75. 125 p.
NRL-7846, AD/A-006 652/2SL
- 363 McKenzie, A. A. *Host-Host protocol design considerations*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 24 Jan 73.
INWG NOTE 16, NIC 13879
- 364 McKenzie, A. A. *Host/Host protocol for the ARPA network*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jan 72. 37 p.
NIC 08246, AD-757 680
- 365 McKenzie, A. A.; Cosell, B. P.; McQuillan, J. M. and Thorpe, M. J. "The Network Control Center for the ARPA Network." *ICCC 72. Computer communications: impacts and implementation. The First International Conference on Computer Communication*, 1972, p. 185 - 191. ICC 72-CHO-690-8C, NSF GJ-33239, NIC 09680
See Also: McKenzie, A. A. "The ARPA Network Control Center." *Fourth ACM Data Communications Symposium*, Oct 1975, p. 5-1 to 5-6.
- 366 McKenzie, A. A. "Status report on the terminal IMP." *ARPANET News Issue* 9, Nov 1973, p. 3 - 11.
NIC 19720
See: 042.

40 - Bibliography

- 367 McKenzie, A. A. *TELNET protocol specification*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 1 May 73. RFC 495, NIC 15371
- 368 McQuillan, J. M. *Adaptive routing algorithms for distributed computer networks*. Doctoral thesis. Cambridge, Ma., Bolt Beranek and Newman, May 74. 492 p. BBN-R-2831, AD-781 467/6GA
- 369 McQuillan, J. M. "Design considerations for routing algorithms in computer networks." *Seventh Hawaii International Conference on System Sciences*, Jan 1974, p. 22 - 24.
- 370 McQuillan, J. M. "The evolution of message processing techniques in the ARPA network." *International Computer State of the Art Report No. 24: Network Systems and Software*. Maidenhead, Berkshire, England, Infotech Information, 1973. p. 541 - 578.
- 371 McQuillan, J. M.; Crowther, W. R.; Coselli, B. P.; Walden, D. C. and Heart, F. E. "Improvements in the design and performance of the ARPA network." *AFIPS conference proceedings. Volume 41: 1972 Fall Joint Computer Conference, SJCC*, p. 741 - 754. NIC 11626
- 372 McQuillan, J. M.; Crowther, W. R.; Coselli, B. P.; Walden, D. C. and Heart, F. E. *Improvements in the design and performance of the ARPA network*. (Prepared for AFIPS Fall Joint Computer Conference, 1972). Cambridge, Ma., Bolt Beranek and Newman, 72. 36 p.
- 373 McQuillan, J. M. and Walden, D. C. "Some considerations for a high performance message-based interprocess communication system." *ACM SIGCOMM-SIGOPS Interface Workshop on Interprocess Communications*, Mar 1975, p. 77 - 86.
- 374 McQuillan, J. M. *Throughput in the ARPA network - analysis and measurement*. Cambridge, Ma., Bolt Beranek and Newman, Jan 73. 34 p. BBN-R-2491
- In: BBN QTR-16(D)
BBN-R-2499
AD-754 441
- Malman, J. *Terminal Interface Message Processor: user's guide*. See under title
- 375 Marill, T. *A cooperative network of time-sharing computers: preliminary study*. Cambridge, Ma., Computer Corporation of America, 1 Jun 66. 52 p. CPA-TR-11 NIC 06458.
- 376 Marill, T. and Stern, D. "The datacomputer - a network data utility." *AFIPS conference proceedings. Volume 44: 1975 National Computer Conference, NCC*, p. 389 - 395.

- 377 Marill, T. "The datacomputer: a network data utility." *Planning for national networking EDUCOM Spring Conference*, 6 Apr 73, p. 101 - 108.
 - 378 Marill, T. *Network data handling system*. Semi-annual technical rept. Cambridge, Ma., Computer Corporation of America, 1 Sep 71. 56 p.
AD-730 724
 - 379 Marill, T. and Roberts, L. G. "Toward a cooperative network of time-shared computers." *AFIPS conference proceedings, Volume 29: 1966 Fall Joint Computer Conference, FJCC*, p. 425 - 431.
NIC 04152
 - 380 Metcalfe, R. M. *An IMP interface for the PDP-10*. M. I. T. Project MAC Dynamic Modeling/Computer Graphics System Document. Cambridge, Ma., MIT, Jul 72.
 - 381 Metcalfe, R. M. *Packet communication*. Interim scientific rept. Project MAC, Cambridge, Ma., MIT, Dec 73. 242 p.
AD-771430/6GA, MAC-TR-114
 - 382 Metcalfe, R. M. (ed.) *Scenarios for using the ARPANET at the International Conference on Computer Communication*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Oct 72.
NIC 11863
- Out of date - information no longer valid.
- 383 Metcalfe, R. M. *Some historic moments in networking*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 19 Jan 71.
RFC 069, NIC 05697
 - 384 Metcalfe, R. M. *Steady-state analysis of a slotted and controlled ALOHA system with blocking*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 18 Oct 72. ASS NOTE 16, NIC 11624
Also in: *Sixth Hawaii International Conference on System Sciences*, Jan 1973, p. 375 - 378.
 - 385 Metcalfe, R. M. "Strategies for interprocess communication in a distributed computing system." *International Symposium on Computer Communications Networks and Teletraffic*, Apr 1972, p. 519 - 526.
 - 386 Metcalfe, R. M. "Strategies for operating systems in computer networks." *1972 Proceedings of the ACM. Volume 1*. p. 278 - 281.
 - 387 Metcalfe, R. M. *System programmer's workshop announcements*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 13 Sep 71.
RFC 222, NIC 07621
 - 388 Metcalfe, R. M. "System programmer's workshop announcements." In: *Vezza. A September Network Working Group Meeting*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 9 Aug 71.
RFC 207, NIC 07178

42 - Bibliography

- 389 Metcalfe, R. M. "System programmer's workshop announcements." In: *NWG Meeting on Network Usage*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 2 Aug 71.
RFC 212, NIC 07192
- 390 Metcalfe, R. M. "System programmer's workshop announcements" In: *Vezza. Network Working Group Meeting Schedule*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 5 Oct 71.
RFC 234, NIC 07651
- 391 Metcalfe, R. M. *Using NETWRK: a program providing terminal access to the ARPA computer network*. M. I. T. Project MAC Dynamic Modeling/Computer Graphics System Document SYS 10.01. Cambridge, Ma., MIT, Oct 71.
- 392 Michener, J. C. *Graphics protocol - level 0 only*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 12 Jan 72.
RFC 292, NIC 08302
- 393 Mimno, N. W.; Cosell, B. P.; Walden, D. C.; Butterfield, S. C. and Levin, J. B. *Terminal access to the ARPA network: experience and improvements*. Cambridge, Ma., Bolt Beranek and Newman, 1973. 6 p.
AD-757 817
- 394 Mimno, N. W.; Cosell, B. P.; Walden, D. C.; Butterfield, S. C. and Levin, J. B. "Terminal access to the ARPA network: experience and improvements." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 39 - 43.
IEEE 73-CHO-716-IC
- 395 Mullery, A. P. *Computer networks and data-sharing: a bibliography*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jan 72. 15 p.
NIC 08300
- 396 Murphy, D. L. "Storage organization and management in TENEX." *AFIPS conference proceedings. Volume 41: 1972 Fall Joint Computer Conference, FJCC*, p. 23 - 32.
- 397 Murray, H. *TENEX bandwidth*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 29 Nov 72.
RFC 415, NIC 12407
- 398 Myer, T. H. *Message transmission protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 1975.
RFC 680, NIC 32116
- *NAC Third Semi-Annual tech. rept. for the project analysis and optimization of store-and-forward computer networks*. See Frank, H. *Research in store-and-forward computer networks*.
- 399 "NBS connected to ARPA network." *National Bureau of Standards Technical News Bulletin* 56(3), Mar 1972.

Computer networking bibliography. May 1972. NIC 12288, 12289, 12290, 12291, 12292.

See: 086.

- 401 Naylor, W.; Wong, J.; Kline, C. and Postel, J. *Regarding preferred official ICP.* Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 May 71. RFC 143, NIC 06728
- 402 Neigus, N. *File transfer protocol.* Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 12 Jul 73. RFC 542, NIC 17759
- 403 *NETED: a common editor for the ARPA network.* Cambridge, Ma., MIT, Project MAC, 15 Oct 73. NIC 18972
- 404 *The Network Control Center program.* Technical information rept. TIR-90. Cambridge, Ma., Bolt Beranek and Newman, Feb 73. 90 p. BBN-TIR-90, AD-786 134/721
- 405 *The Network Control Center program.* Technical information rept. TIR-90. Cambridge, Ma., Bolt Beranek and Newman, Mar 74. 89 p. BBN-TIR-90, AD-777 752/7
Superseded by 404.
- 406 *The Network Control Center program.* Technical information rept. TIR-90. Cambridge, Ma., Bolt Beranek and Newman, Feb 73. 86 p. AD-771 289/6, BBN-TIR-90
Superseded by 404.
- 407 *The Network Control Center program.* Technical information rept. TIR-90. Cambridge, Ma., Bolt Beranek and Newman, BBN-TIR-90, COM-74-50193/5WC
Superseded by 404.
- 408 Newkirk, J. et al. *A prototypical implementation of the NCP.* Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 19 Jun 70. RFC 055, NIC 04757
- 409 "NIC/ARPANET protocol analysis (System E)." Figures 11, 12 in Neumann, A. J. *User procedures standardization for network access.* Technical Note 799. Washington, D. C., National Bureau of Standards, Oct 73. p. 27. NBS-TN-799
- 410 Opderbeck, H. and Kleinrock, L. "The influence of control procedures on the performance of packet-switched networks." *NTC 74. National Telecommunications Conference, 1974*, p. 810 - 817. IEEE 74CH0902-7CSCB
- 411 Ornstein, S. M.; Barker, W. B.; Bressler, R. D.; Crowther, W. R.; Heart, F. E.; Kralej, M. F.; Michel, A. and Thrope, M. J. "The BBN multiprocessor." *Seventh Hawaii International Conference on System Sciences, Jan 1974, Computer*

Nets Supplement, p. 92 - 5.

- 412 Ornstein, S. M. and Walden, D. C. "The evolution of a high performance modular packet-switch." *ICC75. 1975 International Conference on Communications*, Jun 1975, p. 6 - 17 to 6 - 21.
- 413 Ornstein, S. M.; Crowther, W. R.; Krale, M. F.; Bressler, R. D.; Michel, A. and Heart, F. E. "Pluribus - a reliable multiprocessor." *AFIPS Conference Proceedings. Volume 44: 1975 National Computer Conference, NCC*, p. 551 - 559.
- 414 Ornstein, S. M.; Heart, F. E.; Crowther, W. R.; Rising, H. K.; Russel, S. B. and Michel, A. "The terminal IMP for the ARPA computer network." *AFIPS conference proceedings. Volume 40: 1972 Spring Joint Computer Conference, SJCC*, p. 243 - 254. NIC 08218
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 317 - 328.
Green, P. E. and Lucky, R. W. eds. *Computer communications*. New York, IEEE Press, 1975. p. 354 - 365.
- 415 O'Sullivan, T. C.; Metcalfe, R. M. et al. *Discussion of TELNET protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 7 May 71. RFC 139, NIC 06717
- 416 O'Sullivan, T. et al. *TELNET protocol - a proposed document*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 19 May 71. RFC 158, NIC 06768
- 417 "Packet Communications, Inc. and the VAN issues." *Modern data*, Apr 1973, p. 58 - 60.
- 418 "Packet-switching net to begin in June - Telenet service will use SOLC." *Computerworld IX(5)*, 29 Jan 75. p. 17.
- Paden, D. R. *Networks of computers*. See 474.
- 419 Padlipsky, M. A. *Early project MAC ARPA network experiments*. Project MAC Computer Networks Group, Memorandum Number 14. Cambridge, Ma., MIT, Feb 71.
- Padlipsky, M. A. *NETED: a common editor for the ARPA network*. See 403.
- 420 Padlipsky, M. A. *A proposed protocol for connecting host computers to ARPA-like networks via directly-connected front-end processors*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 12 Nov 74. RFC 647, NIC 31117
- 421 "Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals." *ICCC 72. Computer communications: impacts and implementation. The First International Conference on Computer Communication*, 1972, p. 41 - 42. ICCC 72-CHO-490-8C, NSF GJ-33239

- 422 Peterson, J. J. and Veit, S. A. *Survey of computer networks*. Tech. rept. Jan - Apr 71. McLean, Va., MITRE Corporation, Sep 71. 91 p.
MC-MTP-357, AD-762 068
- 423 Pickens, J. R. "Computer networks from the user's point of view." *COMP-CON 73. IEEE Computer Society International Conference*, 1973, p. 71 - 74.
IEEE (73CHO716-IC)
- 424 Pickens, J. R. *Evaluation of ARPANET services, January through March, 1972*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 25 Jul 72.
RFC 369, NIC 11016
- 425 "Pinched budgets promote growth of university computer networks." *Communications of the ACM* 15(3), Mar 1972, p. 206 - 7.
- 426 Pinson, E. N. "Computer communications networks. Computer communications R & D: ARPA network." In: *Telecommunications research in the United States and selected foreign countries: a preliminary survey. Volume II: individual contributions*. Report to the National Science Foundation prepared by The Panel on Telecommunications Research, Committee on Telecommunications, National Academy of Engineering. Washington, D. C., National Academy of Engineering, Jun 73. p. 154
PB-222 060-SET
- 427 *Pluribus document 9: System integration*. Cambridge, Ma., Bolt Beranek and Newman,
BBN-R-3005
- 428 *Pluribus document 8: Card testing*. Cambridge, Ma., Bolt Beranek and Newman,
BBN-R-3004
- 429 *Pluribus document 7: Construction*. Cambridge, Ma., Bolt Beranek and Newman.
BBN-R-3003
- 430 *Pluribus document 6: Functional specifications*. Cambridge, Ma., Bolt Beranek and Newman,
BBN-R-3002
- 431 *Pluribus document 5: Advanced software* Cambridge, Ma., Bolt Beranek and Newman, Apr 75.
BBN-R-2931
- 432 *Pluribus document 4: Basic software*. Cambridge, Ma., Bolt Beranek and Newman.
BBN-R-3001
- 433 *Pluribus document 3: Configurator*. Cambridge, Ma., Bolt Beranek and Newman,
BBN-R-3000
- 434 *Pluribus document 2: System handbook*. Cambridge, Ma., Bolt Beranek and Newman, Jan 75.
BBN-R-2930
- 435 *Pluribus document 1: Overview*. Cambridge, Ma., Bolt Beranek and Newman, May 75.
BBN-R-2999

- 436 Postel, J. B. *Ad-hoc TELNET protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Apr 72.
NIC 09348, RFC 318
- 437 Postel, J. B. and Feinler, E. J. *ARPA network current network protocols*. Special rept. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 1 Dec 74. 513 p. NIC-7104-REV-1, AD/A-003 890/1SL
See Also: *Current network protocols*.
- 438 Postel, J. B. *A graph model analysis of computer communications protocols*. Los Angeles, UCLA, School of Engineering and Applied Science, Jan 74. 193 p.
UCLA-ENG-7410, AD-777 506/7GA
- 439 Postel, J. B. *National software works protocols, Version 2*. Menlo Park, Ca., Augmentation Research Center, Stanford Research Institute (SRI), 1 Jan 75.
NIC 24856
- 440 Postel, J. B. *Official initial connection protocol (ICP)*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Jun 71.
NIC 07101
- 441 Postel, J. B. *Survey of network control programs in the ARPA computer network*. McLean, Virginia, Mitre Corporation, Jun 74. (a Mitre Technical Report). "for authorized distribution only." 89 p.
MC-MTR-6722
- 442 Purdy, G. B. "A high security log-in procedure." *Communications of the ACM* 17(8), Aug 1974,
- 443 Pyke, T. N., Jr. and Blanc, R. P. "Computer networking technology—a state of the art review." *Computer* 6(8), Aug 1973, p. 13 - 19.
- 444 Pyke, T. N. "Resource sharing networks - problems and prospects from a user's viewpoint." *AIAA Computer Network Systems Conference*, Apr 1973, p.
- 445 Pyke, T. N., Jr. "Some technical considerations for improved service to computer network users." *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 53 - 55.
IEEE (73)CH0716-1C
- 446 *RFC index*. Excerpt from NIC 23200. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), Sep 75.
- 447 *The Remote Job Entry mini-Host*. Cambridge, Ma., Bolt Beranek and Newman, Aug 74.
BBN-TIR-93
In: BBN-QTK-6(F)
BBN-R-2852
AD-784 951/6GA
- 448 *Report to the Computer Systems and Electronics Division of the Department of Industry, London, on the ARPA Computer Network*. Final rept. May - Jul 73. London, Logica Ltd., 1974. 280 p.
AD/A-002 346/5SL

- 449 Request for quotation: Interface Message Processors for the ARPA computer network. Washington, D. C., Defense Supply Service, 29 Jul 68. 55 p.
DAHC 15 69 Q0002
 - 450 Rettberg, R. D. A brief simulation of the dynamics of an ALOHA system with slots. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Jul 72.
ASS NOTE 11, NIC 11293
 - 451 Rettberg, R. D. and Walden, D. C. A proposed experiment in packet broadcast satellite communications. Cambridge, Ma., Bolt Beranek and Newman, Sep 74.
BBN-R-2891
 - 452 Rettberg, R. D. Random ALOHA with slots - excess capacity. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 5 Oct 72.
ASS NOTE 18, NIC 11865
 - 453 Rettberg, R. D. Terminal Interface Message Processor: specifications for the interconnection of terminals and the terminal IMP. Canoga Park, Ca., Bolt Beranek and Newman, Sep 72. 47 p.
BBN-R-2277, AD-776 995/3GH
 - 454 Retz, D. L. "Operating system design considerations for the packet-switching environment." AFIPS conference proceedings. Volume 44: 1975 National Computer Conference, NCC, p. 155 - 160.
 - 455 Richardson, L. C. PRIM overview. Research rept. Marina Del Rey, Ca., Information Sciences Institute, Feb 74. 14 p.
AD-775 648, ISI/RR-74-19
 - 456 Roberts, L. G. ALOHA packet system with and without slots and capture. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 26 Jun 72.
NIC 11290, ASS NOTE 08
 - 457 Roberts, L. G. and Wessler, B. D. "The ARPA Network." In: Abramson, N. and Kuo, F. F. Computer communication networks. Englewood Cliffs, N. J., Prentice-Hall, 1972. p.
 - 458 Roberts, L. G. "The ARPA network." Invitational Workshop on Networks of Computers. Fort Meade, Md., National Security Agency, Sep 69. p. 115.
 - 459 Roberts, L. G. "ARPA Network: costs and projections." COMPCON 71. IEEE Computer Society International Conference, 1971, p. 171 - 2.
IEEE 71-C41-C
 - 460 Roberts, L. G. "ARPA network implications." EDUCOM: Bulletin of the Interuniversity Communications Council, 6(3), Fall 1972, p. 4 - 8.
NIC 12982
- Also in: Data exchange, Sep 1972.
- 461 Roberts, L. G. "ARPA network rationale: a 5-year re-evaluation." In: Telecommunications research in the United States and selected foreign countries: a preliminary survey. Volume II: individual contribution. Report to the National Science Foundation prepared by The Panel on Telecommunications Research,

Committee on Telecommunications, National Academy of Engineering. Washington, D. C., National Academy of Engineering, Jun 73. p. 160 - 165.

PB-222 080-SET

- 462 Roberts, L. G. "ARPANET - current status - future plans." *EDUCOM, Networks for higher education. EDUCOM Spring Conference*, Apr 1972, p. 7 - 12.
- 463 Roberts, L. G. "Capture effects on ALOHA channels." *Sixth Hawaii International Conference on System Sciences*, Jan 1973.
- 464 Roberts, L. G. and Wessler, Barry D. "Computer network development to achieve resource sharing." *AFIPS conference proceedings. Volume 36: 1970 Spring Joint Computer Conference, SJCC*, p. 543 - 549. NIC 04564
- 465 Roberts, L. G. "Computers and communications—the 1969 crossover." *IEEE spectrum* 11(2), Feb 1974, p. 46 - 51.
- 466 Roberts, L. G. "Data by the packet." *IEEE spectrum* 11(2), Feb 1974, p. 46 - 51.
- 467 Roberts, L. G. "Dynamic allocation of satellite capacity through packet reservation." *AFIPS conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 711 - 716.
- 468 Roberts, L. G. "Dynamic allocation of satellite capacity through packet reservation." *NATO International Advanced Study Institute, Sep 1973: Computer communication networks. Selected papers*. Edited by R. L. Grimsdale and F. F. Kuo. Leyden, the Netherlands, Noordhoff International Publishing, 1975.
- 469 Roberts, L. G. "A forward look." *Signal, Journal of the Armed Forces Communications and Electronics Association* XXV(12), Aug 1971, p. 77 - 81. NIC 07542
- 470 Roberts, L. G. *Interleaved satellite reservation system*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 Dec 72. ASS NOTE 31, NIC13150
- 471 Roberts, L. G. "Multiple computer networks and intercomputer communication." New York, ACM, Jun 1967. 6 p. (Paper presented at *Symposium on Operating System Principles*, Oct 1967). NIC 04153
Also in: *Communications of the ACM* 11(5), May 1968, p. 296.
- 472 Roberts, L. G. *Multiple computer networks and intercomputer communication*. Washington, D. C., Advanced Research Projects Agency, Jun 67. 12 p.
- 473 Roberts, L. G. "National networks." *Behavioral science* 16(5), Sep 1971, p. 500 - 508.
- 474 Roberts, L. G. and Paden, D. R. "Network of computers. Session II: definition, modeling and evaluation - session summary." *Invitational Workshop on Computers*. Fort Meade, Md., National Security Agency, Oct 68. p. 57 - 65. NIC 06614.

- 475 Roberts, L. G. "Network rationale: a 5-year reevaluation. *COMPCON 73. IEEE Computer Society International Conference*, 1973, p. 3 - 5.
IEEE 73CHO716-IC)
- 476 Roberts, L. G. *Optimal re-transmission delay for ALOHA system*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Jul 72.
ASS NOTE 09, NIC 11291
- 477 Roberts, L. G. "Resource sharing computer networks." *INTERCON 69. IEEE International Convention Digest*, 1969, p. 326 - 327.
- 478 Rosenthal, P. H.; Citrenbaum, R. L.; Copes, J.; Goldstein, G. D. and Guthrie, L. *Multi-access computing in the 70's: an overview of research and requirements*. Final tech. rept. Nov 71 - Oct 72. Santa Monica, Ca., System Development Corporation, Oct 72. 391 p.
AD-751 612
- 479 Rutledge, R. M. "An interactive network of time-sharing computers." *24th National Conference. Association for Computing Machinery*, 1969, p. 431.
- 480 Sammes, A. J. and Winett, J. W. *An interface to the ARPA network for the CP/CMS time-sharing system*. Tech. note 1973-50. Lexington, Ma., MIT, Lincoln Laboratory, Nov 73.
- 481 Sanders, R. W. "Networking: an overview." *Datamation* 20(3), Mar 1974, p. 60 - 63.
- 482 Schantz, R. E. *A multi-site data collection facility*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 6 Dec 74.
RFC 672, NIC 31440
- 483 Schantz, R. E. *A note on reconnection protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 6 Dec 74.
RFC 671, NIC 31439
- 484 Schelonka, E. P. "Resource-sharing with ARPANET." *NTC 74. National Telecommunications Conference*, 1974, p. 1045 - 1048. IEEE 74CHO902-7CSCB
- 485 Schneider, M. *A survey report on computer networks*. Tech. rept. Madison, University of Wisconsin, Dept. of Computer Sciences, Mar 73. 77 p.
WIS-CS-177-73, PB-231 876/4GA
- 486 Seriff, M. S. *ARPANET host availability data*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 13 Mar 72.
RFC308, NIC09259
- 487 "Several firms eye ARPA-type network." *Datamation* 19(3), Mar 1973, p. 121 - 122.

50 - Bibliography

- 488 Shapiro, E. B. *A study of computer network design parameters*. Final rept. Menlo Park, Ca., Stanford Research Institute, Dec 68. 71 p.
AD-784 954/0GA, SRI-7016
- 489 Sher, M. S. "A case study in networking." *Datamation* 20(3), Mar 1974, p. 56 - 59.
- 490 Sher, M. S. "Experience in networking - a case study." *EDUCOM: Bulletin of the Interuniversity Communications Council* 8(3), Fall 1973, p. 8 - 13.
- 491 Shoshani, A. *A solution to the race condition in the ICP*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 19 May 71.
NIC 06772, RFC 161
- 492 Shure, G. H.; Cooperband, A. S. and Meeker, R. J. *Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor*. Los Angeles, UCLA, Center for Computer-Based Behavioral Studies (CCBS), 20 Dec 71. 11 p.
AD-741 639, UCLA-CCBS-TM-20
- Slotnick, D. L. See: [Illiac IV applications research].
- *Specifications for the interconnection of a Host and an Interface Message Processor (IMP)*.
See: *Interface Message Processor: Specifications for the interconnection of a Host and an Interface Message Processor (IMP)*.
- 493 Stokes, A. V. and Higginson, P. L. "The problems of connecting Host into ARPANET." *EUROCOMP 75. European Computer Conference on Communications Networks*, Sep 1975.
UCL-INDRA-TR-22
Also in: 248.
- 494 Strom, C. A., Jr. and Walker, R. "Distributed computer communications networks." *International Symposium on Computer Communications Networks and Teletraffic*, Apr 1972, p. 46 - 47.
- 495 Sutherland, W. R. and Thomas, R. H. *Natural communication with computers. Volume III. Distributed computation research at BBN*. Final rept. Oct 70 - Dec 74. Cambridge, Ma., Bolt Beranek and Newman, Dec 74. 76 p.
AD/A-003 479/3SL
- 496 Tasker, P. S. *Design of a secure communications processor. Volume I. Overall environment and concept*. Bedford, Ma., Mitre Corporation, May 1973, 34 p.
MC-MTR-2439-VOL-1, AD-761 804
See: annotated bibliography on the ARPANET.
- 497 Teitelman, W. and Kahn, R. E. "A network simulation and display program." *Proceedings of the Third Annual Princeton Conference on Information Sciences and Systems*, Mar 1969, p. 29

- 498 *TENEX Executive language for users*. Cambridge, Ma., Bolt Beranek and Newman, Computer Science Division,
- 499 *TENEX Executive manual*. Cambridge, Ma., Bolt Beranek and Newman, Computer Science Division,
- 500 *TENEX JSYS manual - a manual of TEXEX monitor calls*. Cambridge, Ma., Bolt Beranek and Newman, Computer Science Division,
- 501 *TENEX Monitor manual*. Cambridge, Ma., Bolt Beranek and Newman, Computer Science Division,
- 502 *TENEX user's guide*. Cambridge, Ma., Bolt Beranek and Newman, Computer Science Division,
- 503 *The Terminal Interface Message Processor program*. Technical information rept. TIR-91. Cambridge, Ma., Bolt Beranek and Newman, Dec 74. 218 p.
BBN-TIR-91, AD/A-003 470/2SL
Superseded by AD-A016 281.
- 504 *The Terminal Interface Message Processor program*. Technical information rept. TIR-91. Cambridge, Ma., Bolt Beranek and Newman, Aug 73. 214 p.
BBN-TIR-91, AD-786 135/4ST
Superseded by 503.
- 505 *The Terminal Interface Message Processor program*. Technical information rept. TIR-91. Cambridge, Ma., Bolt Beranek and Newman, Jun 74. 211 p.
BBN-TIR-91, AD-781 459/3
Superseded by 503.
- 506 *The Terminal Interface Message Processor program*. Technical information rept. TIR-91. Cambridge, Ma., Bolt Beranek and Newman, Aug 73. 208 p.
BBN-TIR-91, AD-771 713/5
Superseded by 503.
- 507 *Terminal Interface Message Processor: the BBN TIP; hardware manual*. Cambridge, Ma., Bolt Beranek and Newman, Nov 74. 106 p.
BBN-R-2184, AD/A-002 481/OSL
- 508 *Terminal Interface Message Processor: the BBN TIP; hardware manual*. Cambridge, Ma., Bolt Beranek and Newman, Apr 72. 107 p.
BBN-R-2184, AD-740 798
- 509 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Revision. Cambridge, Ma., Bolt Beranek and Newman, Aug 75. 67 p.
BBN-R-2183-REV-75, AD-A014 398
- 510 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Dec 74. 59 p. BBN-R-2183-REV-74,
AD/A-004 316/6SL
Superseded by 509.

52 - Bibliography

- 511 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Jun 74. 55 p. BBN-R-2183-REV-74, AD-782 172/1
Superseded by 509.
- 512 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Nov 73. 49 p. BBN-R-2183-REV-73, AD/A-004 315/8SL
Superseded by 509.
- 513 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Jun 73. 50 p. BBN-R-2183-REV, AD-763 291
Superseded by 509.
- 514 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Sep 72. 41 p. BBN-R-2183-REV, AD-748 852, NIC 10916
Superseded by 509.
- 515 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Jul 72. 38 p. BBN-R-2183-REV, AD-745 765
Superseded by 509.
- 516 *Terminal Interface Message Processor: user's guide to the terminal IMP*. Cambridge, Ma., Bolt Beranek and Newman, Dec 71. 29 p. BBN-R-2183, AD-734 418
Superseded by 509.
- 517 Therrien, C. W. *Data communications for an experimental information retrieval network*. Technical memo. Cambridge, Ma., MIT, Electronic Systems Laboratory, Aug 73. 28 p. ESL-TM-515, PB-237 975/8SL
- 518 Thomas, R. H. "ARPANET TENEX - a step toward a network operating system." *AFIPS conference proceedings*. Reprint of panel session on "Applications and extensions of the TENEX operating system," 1974 National Computer Conference and Exposition, NCCE, p.
- 519 Thomas, R. H. and Clements, R. C. *FTP server-server interaction*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 15 Jan 73. RFC 438, NIC 13770
- 520 Thomas, R. H. "JSYS traps - a TENEX mechanism for encapsulation of user processes." *AFIPS conference proceedings*. Volume 44: 1975 National Computer Conference, NCC, p. 351 - 360.
- 521 Thomas, R. H. and Henderson, D. A. "MCROSS - a multi-computer programming system." *AFIPS conference proceedings*. Volume 40: 1972 Spring Joint Computer Conference, SJCC, p. 281 - 293.

- 522 Thomas, R. H. "On the design of a resource sharing executive for the ARPANET." *AFIP's conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 155 - 163. BBN-R-2522
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 359 - 367.
Also as: 525.
- 523 Thomas, R. H. *On the problem of signature authentication for network mail*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 22 Jul 74. RFC 644, NIC 30874
- 524 Thomas, R. H. *Reconnection protocol*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 26 Jan 73. RFC 426, NIC 13011
Also as: 522.
- 525 Thomas, R. H. *A resource-sharing executive for the ARPANET*. Tech. rept. Cambridge, Ma., Bolt Beranek and Newman, Mar 73. 43 p. AD-758 162, BBN-R-2522
- 526 Thomas, R. H. *TENEX load averages for July 1973*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 10 Aug 73. RFC 546, NIC 17792
Also as: 522.
- 527 Titus, J. P. "Data communications - issues and more issues: new routes for data." *Communications of the ACM* 17(2), Feb 1974, p. 120.
- 528 Treu, S. and Pyke, T. N., Jr. *Project-oriented collaboration via a computer network*. Final rept. Washington, D. C., National Bureau of Standards, 1973. 1 p. NBS-6502121, COM-74-50438/2
Also in: *Computer Science Conference*, (Columbus, Ohio), 1973, p. 27.
- 529 Tripathi, P. C. *Design considerations for the Menehune-Kahuna interface for the ALOHA system*. A preliminary report. Honolulu, University of Hawaii, Aug 69. 7 p. UH-TN-69-7
- 530 Tripathi, P. C. *Simulation of a random access discrete address communication system*. ALOHA System Technical Note 70-1. Honolulu, University of Hawaii, Apr 70. UH-870-1
- 531 Tucker, J. "Resource-sharing in the ARPANET." *Data processing* 15, Jul 1973, p. 282
- 532 Uncapher, K. U. *A research program in the field of computer technology*. Annual technical rept. 17 May 73 - 16 May 74. Marina Del Rey, Ca., University of Southern California, Information Sciences Institute, May 74. 134 p. AD-784 135/6GA, ISI-SR-74-2

54 - Bibliography

- *User's guide to the Terminal IMP (Interface Message Processor). See Terminal Interface Message Processor: user's guide to the Terminal IMP.*
- 533 Vallee, J.; Lipinski, H. M. and Miller, R. H. *ARPA policy-formulation interrogation network*. Final rept. 6 Mar 72 - 31 Dec 74. Menlo Park, Ca., Institute of the Future, 31 Dec 74. 118 p. AD/A-002 489/3SL, SR-34
- 534 Vallee, J.; Johansen, R.; Lipinski, H. M. and Miller, R. H. *ARPA policy-formulation interrogation network*. Semi-annual tech. rept. 6 Mar - 6 Sep 73. Menlo Park, Ca., Institute of the Future, 15 Sep 73. 41 p. SR-30, AD-767 438/5GA
See Also: 045 Baran, Paul, same title
- 535 Vallee, J. "Network conferencing." *Datamation* 20(5), May 1974, p. 85 - 6.
- 536 Vallee, J. and Miller, R. H. *Specifications for computer-aided and on-line group conferencing*. Special rept. Menlo Park, Ca., Institute of the Future, 20 May 74. 16 p. AD-779 064/5
- 537 Van Slyke, R.; Chou, W. and Frank, H. "Avoiding simulation in simulating computer communication networks." *AFIPS conference proceedings. Volume 42: 1973 National Computer Conference and Exposition, NCCE*, p. 165 - 169.
- 538 Van Slyke, R. M. and Frank, H. "Network reliability analysis - I." *Networks* 1(3), 1971, p. 279 - 290.
- 539 Van Slyke, R. M. and Frank, H. "Reliability in computer communications networks." *Applications of simulation. 1971 ACM Winter Computer Simulation Conference*, Dec 1971, p. 71 - 82.
- 540 Walden, D. C. "Experiences in building, operating and using the ARPA network." *2nd USA-JAPAN Computer Conference*, Aug 1975, p. 453 - 458.
- 541 Walden, D. C. "Host-to-Host-protocols." *International Computer State of the Art Report No. 24: Network Systems and Software*. Maidenhead, Berkshire, England, Infotech Information, 1973. p. 287 - 316.
- 542 Walden, D. C. "A system for interprocess communication in a resource sharing computer network." *Communications of the ACM* 15(4), Apr 1972, p. 221 - 230.
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 340 - 349.
- 543 Walden, D. C. *A system for interprocess communication in a resource sharing computer network*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 3 Aug 70. RFC 062, NIC 04962
Also in: Chu, W. W. ed. *Advances in computer communications*. Dedham, Ma., Artech House, Inc., 1974. p. 340-349.
- Walden, D. C. *Terminal Interface Message Processor: user's guide to the Terminal IMP*. See under title.
- Walden, D. C. *TIP User's guide. See Terminal Interface Message Processor: user's guide to the Terminal IMP.*

- Walden, D. C. *User's guide to the Terminal IMP (Interface Message Processor)*.
See: *Terminal Interface Message Processor: user's guide to the Terminal IMP*.
- 544 Walker, P. M. and Mathison, S. L. "Regulatory policy and future data transmission services: packet switching data carriers." In: Abramson, N. and Kuo, F. F. *Computer communication networks*. Englewood Cliffs, J. J., Prentice-Hall, 1973. p. 339-340.
- 545 Watson, R. W. *Some thoughts on system design to facilitate resource sharing*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 20 Nov 73. RFC 592, NIC 20391
- 546 Wessler, B. D. and Hovey, R. B. "Public packet-switched networks." *Datamation* 20(7), Jul 1974, p. 85 - 7.
- 547 White, J. E. *Dynamic extension of OS/360 for a network environment*. Santa Barbara, Ca., UCSB, Computer Research Laboratory.
- 548 White, J. E. *An NCP for the ARPA network*. Santa Barbara, Ca., UCSB, Computer Research Laboratory, Dec 70. NIC 05480
- 549 White, J. E. *NSW process structure: NSW/STRUC Version 2*. Menlo Park, Ca., Augmentation Research Center, Stanford Research Institute, 10 Jan 75. NIC 25009
- 550 White, J. E. *The NSW tool package, NTP Version 2*. Menlo Park, Ca., Augmentation Research Center, Stanford Research Institute, 10 Jan 75. NIC 25008
- 551 White, J. E. *PCP inter-version (2-3) documentation; PCPV2 changes*. Menlo Park, Ca., Augmentation Research Center, Stanford Research Institute, 16 Jan 75. NIC 25062
- 552 White, J. E. *Network specifications for remote job entry and remote job output retrieval at UCSB*. Menlo Park, Ca., ARPA Network Information Center (NIC) at Stanford Research Institute (SRI), 22 Mar 71. RFC 105, NIC 05775
- 553 White, J. E. *The Procedure Call Protocol Version 2*. Menlo Park, Ca., Augmentation Research Center, Stanford Research Institute, 1 Jan 75. NIC 24855
- Collection (compilation) of 8 procedure call protocol (PCP) documents, including Richard W. Watson. *Some thoughts on system design to facilitate resource sharing*. RFC 592, NIC 20391
- 554 Wilbur, S. R. *CASSET - a TENEX utility program for the GE Terminet*. London, University College London, 1975. UCL-INDRA-NOTE-356

56 - Bibliography

- 555 Wilbur, S. R. *POST - a British Mail system*. London, University College London, Dept. of Statistics and Computer Science, 1973.
UCL-INDRA-NOTE-330
- 556 Winett, J. M. and Sammes, A. *An interface to the ARPA network for the CP 'CMS time-sharing system. Volume I; and Volume II: Flow charts*. Technical note. Lexington, Ma., MIT, Lincoln Laboratories, 28 Nov 73. 115 p. + 168 p.
TN-1973-50-VOL-1, TN-1973-50-VOL-2, ESD-TR-73-336, ESD-TR-73-337, AD-773 831/3GA, AD-773 832/1GA
- 557 Wolfe, E. W. "An advanced computer communication network." *AIAA Computer Network Systems Conference*, Apr 1973, paper no. 73 - 414.
- 558 Wong, J. "Network control programs (NCP)." *SEX Notebook*. Los Angeles, Ca., UCLA, Section 25.3 SPADE Group, Computer Networks Research Project, Computer Science Dept., Jan 72.
- 559 Zeigler, J. F. and Kleinrock, L. "Nodal blocking in large networks." *ICC 71. International Conference on Communications*, Jun 1971, p. 39-9 to 39-15.
IEEE-71C28-COM
- 560 Zeigler, J. F. *Nodal blocking in large networks*. Los Angeles, UCLA, Computer Systems Modeling and Analysis Group, Oct 71. 152 p. UCLA-CSMAG-ENG-716
- 561 Zelkowitz, M. V. and Agrawala, A. K. "KWIC index for computer networks." *Networks* 3(2), 1973, p. 135 - 171.

**SUBJECT AND
DOCUMENT NUMBER
INDEX**

ACCESS, ACCESSED, ACCESSING

- 96 ANTS - a new approach to accessing the ARPA network UIUC-CAC-47
- 97 ARPA Network Terminal System: a new approach to network access IEEE-73-CHO-828-4C
- 229 On splitting random accessed broadcast communication channels
- 310 Terminal access to the ARPA computer network NIC11749
- 356 Multiple access channels UH-A72-2 AD-753127 AFOSR-TR-72-2420
- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8
- 391 Using NETWRK: a program providing terminal access to the ARPA computer network
- 393 Terminal access to the ARPA network: experience and improvements AD-757817
- 394 Terminal access to the ARPA network: experience and improvements IEEE-73-CHO-716-IC
- 530 Simulation of a random access discrete address communication system UH-B70-1

ACCOUNTING

- 305 HOST accounting and administrative procedures RFC136, NIC06713

ACQUISITION

- 69 Resource location and acquisition service for the ARPA network

AD-A008209

- 250 Biocybernetics project AD-A008209

AD-A008238/8SL

- 322 Modeling considerations in computer communication resource control AD-A008238/8SL

AD-A008422/8SL

- 329 Computer network research AD-A008422/8SL

AD-A008842/7SL

- 276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2988 AD-A008842/7SL

AD-A008865/8GA

- 3 ALOHA system AD-A008865/8GA

AD-A008876/5SL

- 263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL

AD-A008877/3SL

- 153 DATACOMPUTER project AD-A008877/3SL

AD-A009936

- 225 PRIM user's manual AD-A009936 ISI-TM-75-1

AD-A010200/4SL

137 Computer networking report bibliography DDC-TAS-75-9 AD-A010200/4SL

AD-A010235/0SL

160 DATACOMPUTER support of seismic data activity AD-A010235/0SL

AD-A010556

159 DATACOMPUTER support of seismic data activity AD-A010556

AD-A010916

183 U T MIT-AI-M-292 AD-A010916

AD-A011131

178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089

AD-A012811

262 Interface Message Processor program BBN-TIR-89 AD-A012811

AD-A013370

274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370

AD-A014398

509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398

AD-444830

49 Introduction to communications networks RC-RM-3420-PR AD-444830

AD-444831

56 Multiplexing Station RC-RM-3764-PR AD-444831

AD-444832

55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

AD-444833

51 Determination of path-lengths in a distributed network RC-RM-3578-PR AD-444833

AD-444834

50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834

AD-444835

54 Mini cost microwave RC-RM-3762 AD-444835

AD-444836

58 Cost analysis RC-RM-3766-PR AD-444836

AD-444837

59 Summary overview RC-RM-3767-PR NIC06866 AD-444837

AD-444838

- 53 History, alternative approaches, and comparisons RC-RM-3097-PR AD-444838

AD-444839

- 57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-444839

AD-444840

- 52 Priority, precedence, and overload RC-RM-3638-PR AD-444840

AD-630271

- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271

AD-630301

- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301

AD-682905

- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157

AD-686811

- 299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D

AD-691229

- 298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229

AD-694055

- 192 Experimental computer network AD-694055 ESD-TR-69-74

AD-695050

- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR

AD-696122

- 297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442

AD-699946

- 296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357

AD-702807

- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR

AD-705118

- 295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118

02 - index

AD-705149

338 Computer network research AD-705149

AD-705617

95 Simulation of interference of packets in the ALOHA system UH-B70-2
AD-705617 AFOSR-70-1254TR

357 Random access discrete address multiplexing communications for the
ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR

AD-707438

198 Analysis and optimization of store-and-forward computer networks AD-
707438 NIC04623

AD-707853

8 ALOHA system - another alternative for computer communications AD-
707853 AFOSR-70-1686TR UH-B70-1

AD-709621

294 Interface Message Processors for the ARPA computer network BBN-QTR-
06-D BBN-R-2003 AD-709621

AD-711342

337 Computer network research AD-711342 NIC01380

AD-714234

293 Interface Message Processors for the ARPA computer network BBN-QTR-
07-D BBN-R-2059 NIC06019 AD-714234

AD-717729

292 Interface Message Processors for the ARPA computer network BBN-QTR-
08-D BBN-R-2103 AD-717729 NIC05749

AD-719416

215 Research in store-and-forward computer networks AD-719416

AD-722367

291 Interface Message Processors for the ARPA computer network BBN-QTR-
09-D BBN-R-2123 NIC06753 AD-722367

AD-723332

313 Teletype communications at optical frequencies for the ALOHA system
UH-B71-1 AFOSR-TR-71-1203 AD-723332

AD-727622

290 Interface Message Processors for the ARPA computer network BBN-QTR-
10-D BBN-R-2175 NIC09185 AD-727622

AD-727989

336 Computer network research AD-727989

AD-728246

80 ALOHA system multiplexer program description UH-B71-3 AD-728246
AFOSR-TR-71-2195

AD-728442

214 Research in store-and-forward computer networks AD-728442

AD-729261

89 TENEX, a paged time sharing system for the PDP-1C BBN-R-2180 AD-729261

AD-730724

378 Network data handling system AD-730724

AD-730725

309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748

AD-731687

289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687

AD-732033

273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033

AD-733049

186 ARPA network series: I introduction to the ARPA network at Rand and to the Rand video graphics system RC-R-664-ARPA AD-733049

AD-734418

516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

AD-735078

32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673

AD-735300

234 Research in on-line computation AD-735300 AFCRL-71-0530

AD-736213

288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213

AD-737117

4 ALOHA system UH-B72-1 AFOSR-TR-72-0386 AD-737117

AD-737131

190 Network Information Center and computer augmented team interaction AD-737131

AD-737318

236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318

AD-737403

213 Research in store-and-forward computer networks AD-737403

AD-739344

134 Computer network measurements: techniques and experiments UCLA-
CSMAG-ENG-7165 AD-739344 NIC10168

AD-739705

335 Computer network research AD-739705

AD-740310

272 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310

AD-740766

259 ILLIAC IV applications research AD-740766

AD-740798

508 Terminal Interface Message Processor: the BBN TIP: hardware manual BBN-
R-2184 AD-740798

AD-740799

257 Interface Message Processors for the ARPA computer network BBN-QTR-
13-D BBN-R-2353 NIC08882 AD-740799

AD-741639

492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral
processor UCLA-CCBS-TM-20 AD-741639

AD-745751

237 Data Reconfiguration Service compiler: communications among heterogene-
ous computer centers using remote resource sharing RC-R-887-ARPA.
AD-745751

AD-745765

515 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-745765

AD-745766

286 Interface Message Processors for the ARPA computer network BBN-QTR-
14-D BBN-R-2396 NIC11685 AD-745766

AD-746051

164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-
746051

AD-746064

353 ALOHA system sixteen channel multiplexer program module description
UH-B72-2 AFOSR-TR-72-1311 AD-746064

AD-746509

334 Computer network research AD-746509

AD-748338

212 Research in store-and-forward computer networks AD-748338

AD-748841

233 Research in on-line computation UCSB-CSL-22 AD-748841

AD-748852

514 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-748852 NIC10916

AD-748927

235 Aspects of large scale resources sharing through networks of computers
AD-748927 RC-P-4833

AD-748986

120 Message exchange for computer programs and terminals AD-748986 RC-R-
694-ARPA

AD-749378

306 Resource sharing computer communication networks AD-749378 BBN-R-
2459

AD-749678

222 Adaptive routing techniques for message switching computer communica-
tion networks UCLA-ENG-7252 AD-749678 NIC11250

AD-749800

45 ARPA policy-formulation interrogation network SR-23 AD-749800

AD-750283

238 Large scale sharing of computer resources AD-750283 RC-P-4856

AD-750772

285 Interface Message Processors for the ARPA computer network BBN-QTR-
15-D BBN-R-2468 AD-750772

AD-751612

478 Multi-access computing in the 70s: an overview of research and requirements
AD-751612

AD-753127

356 Multiple access channels UH-A72-2 AD-753127 AFOSR-TR-72-2420

AD-753532

271 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532

AD-754441

284 Interface Message Processors for the ARPA computer network BBN-QTR-
16-D BBN-R-2499 AD-754441

AD-756708

333 Computer network research AD-756708

AD-757090

211 Research in store-and-forward computer networks AD-757090

00 - Index

- AD-757181
158 DATACOMPUTER project AD-757181
- AD-757680
364 HOST/HOST protocol for the ARPA network NIC08246 AD757680
- AD-757686
156 DATACOMPUTER project AD-757686
- AD-757817
393 Terminal access to the ARPA network: experience and improvements AD-757817
- AD-758011
258 ILLIAC IV applications research UIUC-CAC-48 AD-758011
- AD-758162
525 Resource sharing executive for the ARPANET AD-758162 BBN-R-2522
- AD-758704
226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC-15552
- AD-758716
44 ARPA policy-formulation interrogation network SR-24 AD-758716
- AD-759433
270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- AD-760023
283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023
- AD-760889
43 USAWC curriculum and the ARPANET AD-760889
- AD-761543X
351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985
- AD-761544
20 Packet switching with satellites UH-B73-2 AD-761544 AFOSR-TR-73-0984
- AD-761804
496 Design of a secure communications processor AD-761804 MC-MTR-2439-VOL-1
- AD-762068
422 Survey of computer networks MC-MTP-357 AD-762068
- AD-763290
257 ILLIAC IV applications research UIUC-CAC-74 AD-763290

AD-763291

513 Terminal Interface Message Processor: user's uide to the Terminal IMP BBN-R-2183-REV AD-763291

AD-763734

282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734

AD-765924/6

241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6

AD-766005/3

191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3

AD-767403/9GA

207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA

AD-767438/5GA

534 ARPA policy-formulation interrogation network SR-30 AD-767438/5GA

AD-768417

281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417

AD-769232/0

70 Intercomputer networks: an overview and a bibliography AD-769232/0

AD-769675/0

112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30

AD-769706/3GA

332 Computer network research AD-769706/3GA

AD-770881/1GA

157 DATACOMPUTER project AD-770881/1GA

AD-771289/6

406 Network Control Center program AD-771289/6 BBN-TIR-90

AD-771295/3GA

267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA

AD-771430/6GA

381 Packet communication AD-771430/6GA MAC-TR-114

AD-771713/5

506 Terminal Interface Message Processor Program BBN-TIR-91 AD-771713/5

AD-772416/4GA

232 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220

68 - Index

AD-772511/2GA

256 ILLIAC IV applications research UIUC-CAC-93 AD-772511/2GA

AD-773327/2GA

349 ALOHA system AFOSR-TR-74-0019 AD-773327/2GA

AD-773416/3GA

348 ALOHA system UH-B74-1 AD-773416/3GA

AD-773419

280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419

AD-773831/3GA

556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

AD-773832/1GA

556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

AD-775145/6GA

130 Networking and graphics research AD-775145/6GA

AD-775220/7GA

352 ARPA network implementation under ADEPT SDC-TM-4891/000/000 AD-775220/7GA

AD-775388/2

110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632

AD-775648

455 PRIM overview AD-775648 ISI-RR-74-19

AD-776236/2

71 Interactive systems research AD-776236/2

AD-776995/3GH

453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal Imp BBN-R-2277 AD-776995/3GH

AD-777313/8

228 Proceedings of the Annual Computer Related Information Systems Symposium 4th held at the United States Air Force Academy on 29-30 Jan 1974 AD-777313/8

AD-777506/7GA

438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA

AD-777714/7GA

269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA

AD-777738/6GA

208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA

AD-777747/7GA

46 ARPANET management study CA-R-123 AD-777747/7GA

AD-777750/1GA

266 Interface Message Processor Program BBN-TIR-89 AD-777750/1GA

AD-777752/7

405 Network Control Center Program BBN-TIR-90 AD-777752/7

AD-779064/5

536 Specification for computer-aided and on-line group conferencing AD-779064/5

AD-781045/0GA

181 Network analysis and the reliability assessment of systems AFWL-TR-74-138 AD-781045/0GA

AD-781446/8

265 Interface Message Processor Program BBN-TIR-89 AD-781446/8

AD-781459/3

505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3

AD-781467/6GA

368 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA

AD-782172/1

511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1

AD-783508/5GA

24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA

AD-784135/6GA

532 Research program in the field of computer technology ISI-SR-74-2 AD-784135/6GA

AD-784951/6GA

278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-P-2852 AD-784951/6GA

AD-784954/0GA

488 Study of computer network design parameters AD-784954/0GA SRI-7016

70 - Index

AD-786133/9ST

264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST

AD-786134/7ST

404 Network Control Center program BBN-TIR-90 AD-786134/7ST

AD-786135/4ST

504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST

AD-786172/7ST

255 ILLIAC IV applications research UIUC-CAC-DN-74-119 AD-786172/7ST

AD-786754/2GA

66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA

AD-787017/3SL

162 DATACOMPUTER support of seismic data activity AD-787017/3SL

AD-787039/7GA

23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA

AD-787677/4

155 DATACOMPUTER project AD-787677/4ST

AD-787693/1ST

109 Seismic network systems study AD-787693/1ST BBN-R-2865

AD/A-000266/7SL

331 Computer network research AD/A-000266/7SL UCLA-ENG-7467

AD/A-000556/1SL

277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL

AD/A-001009/0ST

355 Organizing distributed data-bases in computer networks AD/A-001009/0ST

AD/A-001560/2ST

163 DATACOMPUTER support of seismic data activity AD/A-001560/2ST

AD/A-002083/4SL

154 DATACOMPUTER project AD/A-002083/4SL

AD/A-002346/5SL

448 Report to the Computer Systems and Electronics Division of the Department of Industry, London on the ARPA computer network AD/A-002346/5SL

AD/A-002481/0SL

507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL

AD/A-002489/3SL

533 ARPA policy-formulation interrogation network AD/A-002489/3SL SR-34

AD/A-002700/3SL

279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL

AD/A-002751/6SL

268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL

AD/A-003470/2SL

503 Terminal Interface Message Processor Program BBN-TIR-91 AD/A-003470/2SL

AD/A-003479/3SL

495 Natural communication with computers Volume III distributed computation research at BBN AD/A-003479/3SL

AD/A-003890/1SL

437 ARPA network current network protocols NIC07104-REV-1 AD/A-003890/1SL

AD/A-004167/3SL

330 Computer network research AD/A-004167/3SL

AD/A-004315/8SL

512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL

AD/A-004316/6SL

510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL

AD/A-006652/2SL

362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL

AD/A-006735/5SL

179 Distributed computation and TENEX-related activities AD/A-006735/5SL BBN-R-3012

AD/A-006900/5SL

25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

AD/A-006901/3SL

230 New applications for ARPANET developed information processing technology Volume II: security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

AD/A-006902/1SL

- 47 New applications for ARPANET developed information processing technology Volume III: BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

AD/A-006932/8SL

- 161 DATACOMPUTER support of seismic data activity AD/A-006932/8SL

ADAPTABLE

- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673
- 124 Experimental service for adaptable data reconfiguration
- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318

ADAPTING, ADAPTIVE

- 92 Adaptive routing techniques for distributed communications systems
- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271
- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301
- 222 Adaptive routing techniques for message switching computer communication networks UCLS-ENG-7252 AD-749678 NIC11250
- 223 Adaptive routing techniques for store-and-forward computer communication networks IEEE-71-C28-COM
- 227 Deterministic and adaptive routing policies in packet switched computer networks
- 348 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA

ADDITION

- 327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27

ADDRESS

- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8
- 530 Simulation of a random access discrete address communication system UH-B70-1

ADEPT

- 352 ARPA network implementation under ADEPT SDC-TM-4891/000/000 AD-775220/7GA

ADMINISTRATIVE

- 305 HOST accounting and administrative procedures RFC136 NIC06713
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22

ADVANCED

- 22 Advanced projects in data processing
- 63 Information network example: the Advanced Research Projects Agency network
- 431 PLURIBUS document 5: advanced software BBN-R-2951
- 557 Advanced computer communication network

ADVANCES

- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/3GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 350 Some advances in radio communications for computers NIC13643 IEEE-73-CHO-716-1C
- 351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985

AFCL-71-0530

- 234 Research in on-line computation AD-735300 AFCL-71-0530

AFOSR-TR-71-1203

- 313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332

AFOSR-TR-71-2195

- 80 ALOHA system multiplexer program description UH-B71-3 AD-728246 AFOSR-TR-71-2195

AFOSR-TR-72-0386

- 4 ALOHA system UH-B72-1 AFOSR-TR-72-0386 AD-737117

AFOSR-TR-72-1311

- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064

AFOSR-TR-72-1312

- 164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-746051

AFOSR-TR-72-2420

- 356 Multiple access channels UH-A72-2 AD-753127 AFOSR-TR-72-2420

AFOSR-TR-73-0984

- 20 Packet switching with satellites UH-B73-2 AD-761546 AFOSR-TR-73-0984

AFOSR-TR-73-0985

- 351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985

AFOSR-TR-74-0019

349 ALOHA system AFOSR-TR-74-0019 AD-773327/2GA

AFOSR-69-2591-TR

21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR

AFOSR-70-0416-TR

6 ALOHA system annual report 1967 AFOSR-70-0416-TR

AFOSR-70-0741TR

84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR

AFOSR-70-1254TR

95 Simulation of interference of packets in the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR

357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR

AFOSR-70-1686TR

8 ALOHA system - another alternative for computer communications AD-707853 AFOSR-70-1686TR UH-B70-1

AFWL-TR-74-138

181 Network analysis and the reliability assessment of systems AFWL-TR-74-138 AD-781045/0GA

ALGORITHMS

368 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA

369 Design considerations for routing algorithms in computer networks

ALLOCATION

346 Resource allocation in computer systems and computer communications networks

467 Dynamic allocation of satellite capacity through packet reservation

468 Dynamic allocation of satellite capacity through packet reservation

ALOHA

3 ALOHA system AD-A008865/8GA

4 ALOHA system UH-B72-1 AFOSR-TR-72-0386 AD-737117

5 ALOHA system

6 ALOHA system annual report 1969 AFOSR-70-0416-TR

7 ALOHA system - another alternative for computer communications

8 ALOHA system - another alternative for computer communications AD-707853 AFOSR-70-1686TR UH-B70-1

15 Capacity and excess capacity of ALOHA channels

16 Digital broadcasting in Hawaii - the ALOHA system

17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30

- 18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26
- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR
- 79 ALOHA packet broadcasting - a retrospect
- 80 ALOHA system multiplexer program description UH-B71-3 AD-728246 AFOSR-TR-71-2195
- 81 Another ALOHA satellite protocol ASS-NOTE-32 NIC13147
- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166
- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR
- 95 Simulation of interference of packets in the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28
- 164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-746051
- 313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332
- 348 ALOHA system UH-B74-1 AD-773416/3GA
- 349 ALOHA system AFOSR-TR-74-0019 AD-773327/2GA
- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064
- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8
- 361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790
- 384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624
- 450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293
- 452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865
- 456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08
- 463 Capture effects on ALOHA channels
- 476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291
- 529 Design considerations for the MENEHUNE-KAHUNA interface for the ALOHA system UH-TN-69-7

ALTERNATIVE

- 7 ALOHA system - another alternative for computer communications

- 8 ALOHA system - another alternative for computer communications AD-707853 AFOSR-70-1686TR UH-B70-1
- 53 History, alternative approaches, and comparisons RC-RM-3097-PR AD-444838

ANALYSIS

- 58 Cost analysis RC-RM-3766-PR AD-444836
- 62 Cost effective analysis of network computers UIUC-DCS-R-72-538 PB-211784
- 87 Cost analysis for computer communications NBS-TN-845 COM-74-50926/6ST
- 133 Analysis of the separation between packets in a store-and-forward network
- 181 Network analysis and the reliability assessment of systems AFWL-TR-74-138 AD-781045/0GA
- 197 Analysis and design of survivable networks
- 198 Analysis and optimization of store-and-forward computer networks AD-707438 NIC04623
- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403-/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 216 Response time capacity analysis of a computer communications network
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6
- 361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790
- 374 Throughput in the ARPA network - analysis and measurement BBN-R-2491
- 384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC 11624
- 409 NIC/ARPANET protocol analysis system E NBS-TN-799
- 438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA
- 538 Network reliability analysis - I

ANALYTIC

- 326 Analytic and simulation methods in computer network design NIC04566
- 327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27

ANNOUNCEMENTS

- 387 System programmer's workshop announcements RFC222 NIC07621
- 388 System programmer's workshop announcements RFC207 NIC07178
- 389 System programmer's workshop announcements RFC212 NIC07192

390 System programmer's workshop announcements RFC234 NIC07651

ANTS

96 ANTS - a new approach to accessing the ARPA network UIUC-CAC-47

APPLICATION, APPLICATIONS

23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA

24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA

25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

168 Applications of the ARPA network

221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030

230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

257 ILLIAC IV applications research UIUC-CAC-DN-74-119 AD-786172/7ST

256 ILLIAC IV applications research UIUC-CAC-93 AD-772511/2GA

257 ILLIAC IV applications research UIUC-CAC-74 AD-763290

258 ILLIAC IV applications research UIUC-CAC-48 AD-758011

259 ILLIAC IV applications research AD-740766

APPROACH, APPROACHES

53 History, alternative approaches, and comparisons RC-RM-3097-PR AD-444838

96 ANTS - a new approach to accessing the ARPA network UIUC-CAC-47

97 ARPA Network Terminal System: a new approach to network access IEEE-73-CHO-828-4C

221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030

APPROXIMATIONS

328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862

ARCHITECTURE

253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-IC

78 - Index

ARPA-LIKE

- 420 Proposed protocol for connecting HOST computers to ARPA-like networks via directly connected front-end processors RFC647 NIC31117

ARPA-TYPE

- 487 Several firms eye ARPA-type network

ASS-NOTE-01

- 14 ARPANET Satellite System ASS-NOTE-01 NIC11283

ASS-NOTE-02

- 13 ARPANET Satellite System ASS-NOTE-02 NIC11284

ASS-NOTE-03

- 224 ARPANET Satellite System ASS-NOTE-03 NIC11285

ASS-NOTE-04

- 12 ARPANET Satellite System ASS-NOTE-04 NIC11286

ASS-NOTE-05

- 11 ARPANET Satellite System ASS-NOTE-05 NIC11287

ASS-NOTE-06

- 10 ARPANET Satellite System ASS-NOTE-06 NIC11288

ASS-NOTE-07

- 9 ARPANET Satellite System ASS-NOTE-07 NIC11289

ASS-NOTE-08

- 456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08

ASS-NOTE-09

- 476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291

ASS-NOTE-11

- 450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293

ASS-NOTE-16

- 384 Steady-state analysis of a slot'ed and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

ASS-NOTE-17

- 328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862

ASS-NOTE-18

- 452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865

ASS-NOTE-22

- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166

ASS-NOTE-26

- 18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26

ASS-NOTE-27

- 327 Analytic results with the addition of one large user NIC1: 736 ASS-NOTE-27

ASS-NOTE-28

- 150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28

ASS-NOTE-30

- 17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30

ASS-NOTE-31

- 470 Interleaved satellite reservation system ASS-NOTE-31 NIC13150

ASS-NOTE-32

- 81 Another ALOHA satellite protocol ASS-NOTE-32 NIC13147

ASS-NOTE-36

- 361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790

ASSESSMENT

- 122 Assessment of ARPANET protocols RFC635 NIC30489
- 181 Network analysis and the reliability assessment of systems AFWL-TR-74-138 AD-781045/OGA

ATLANTIC

- 82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056

AUGMENTED

- 190 Network Information Center and computer augmented team interaction AD-737131
- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3

AUTHENTICATION

- 523 On the problem of signature authentication for network mail RFC644 NIC30874

AUTOMATED, AUTOMATION

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/SSL
- 28 Automated resource sharing on the ARPANET
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/SSL

80 - Index

AVAILABILITY

486 ARPANET HOST availability data RFC308 NIC09259

AVERAGES

526 TENEX load averages for July 1973 RFC546 NIC17792

BANDWIDTH

397 TENEX Bandwidth RFC415 NIC12407

BASIC

432 Pluribus document 4: basic software BBN-R-3001

BATCH-SYSTEM

252 Evaluation of an interactive batch-system network

BBN

411 BBN multiprocessor

495 Natural communication with computers Volume III Distributed computation research at BBN AD/A-003479/3SL

507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL

508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798

BBN-QTR-01-D

299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D

BBN-QTR-01-F

283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023

BBN-QTR-01-F2

275 Interface Message Processors for the ARPA computer network BBN-QTR-01-F2 BBN-R-3063

BBN-QTR-02-D

298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229

BBN-QTR-02-F

282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734

BBN-QTR-02-F2

274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370

BBN-QTR-03-D

297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442

BBN-QTR-03-F

281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417

BBN-QTR-04-D

296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357

BBN-QTR-04-F

280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419

BBN-QTR-05-D

295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118

BBN-QTR-05-F

279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL

BBN-QTR-06-D

294 Interface Message Processors for the ARPA computer network BBN-QTR-06-D BBN-R-2003 AD-709621

BBN-QTR-06-F

278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-R-2352 AD-784951/6GA

BBN-QTR-07-D

293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234

BBN-QTR-07-F

277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL

BBN-QTR-08-D

292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749

BBN-QTR-08-F

276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2988 AD-A008842/7SL

BBN-QTR-09-D

291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367

BBN-QTR-10-D

290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622

BBN-QTR-11-D

- 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687

BBN-QTR-12-D

- 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213

BBN-QTR-13-D

- 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799

BBN-QTR-14-D

- 286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766

BBN-QTR-15-D

- 285 Interface Message Processors for the ARPA computer network BBN-QTR-15-D BBN-R-2468 AD-750772

BBN-QTR-16-D

- 284 Interface Message Processors for the ARPA computer network BBN-QTR-16-D BBN-R-2499 AD-754441

BBN-R-1763

- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157

BBN-R-1783

- 299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D

BBN-R-1822

- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033

BBN-R-1822-REV

- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433

BBN-R-1822-REV-74

- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL

BBN-R-1837

298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229

BBN-R-1877

260 IMP operating manual BBN-R-1877

BBN-R-1890

297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC 06442

BBN-R-1928

296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357

BBN-R-1966

295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118

BBN-R-2003

294 Interface Message Processors for the ARPA computer network BBN-QTR-06-D BBN-R-2003 AD-709621

BBN-R-2059

293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234

BBN-R-2103

292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749

BBN-R-2123

291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367

BBN-R-2161

309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748

BBN-R-2175

290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622

BBN-R-2180

89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261

BBN-R-2183

516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

BBN-R-2183-REV

513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291

84 - Index

- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183 REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-745765
- BBN-R-2183-REV-73
 - 512 Terminal Interface Message Processor: user's ouide to the Terminal IMP
BBN-R-2183-REV-73 AD/A-004315/8SL
- BBN-R-2183-REV-74
 - 510 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV-74 AD/A-004316/6SL
 - 511 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV-74 AD-782172/1
- BBN-R-2183-REV-75
 - 509 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV-75 AD-A014398
- BBN-R-2184
 - 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
 - 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798
- BBN-R-2270
 - 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687
- BBN-R-2277
 - 453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- BBN-R-2309
 - 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213
- BBN-R-2353
 - 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799
- BBN-R-2396
 - 286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766
- BBN-R-2459
 - 306 Resource sharing computer communication networks AD-749378 BBN-R-2459
- BBN-R-2468
 - 285 Interface Message Processors for the ARPA computer network BBN-QTR-15-D BBN-R-2468 AD-750772

BBN-R-2491

374 Throughput in the ARPA network - analysis and measurement BBN-R-2491

BBN-R-2499

284 Interface Message Processors for the ARPA computer network BBN-QTR-16-D BBN-R-2499 AD-754441

BBN-R-2522

522 On the design of a resource sharing executive for the ARPANET BBN-R-2522

525 Resource sharing executive for the ARPANET AD-758162 BBN-R-2522

BBN-R-2541

283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023

BBN-R-2580

282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734

BBN-R-2632

110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632

BBN-R-2667

281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417

BBN-R-2717

280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419

BBN-R-2816

279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL

BBN-R-2831

368 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA

BBN-R-2852

278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-R-2852 AD-784951/6GA

BBN-R-2865

109 Seismic network systems study AD-787693/1ST BBN-R-2865

BBN-R-2891

451 Proposed experiment in packet broadcast satellite communications BBN-R-2891

BBN-R-2913

277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL

BBN-R-2918
148 Network design issues BBN-R-2918

BBN-R-2930
434 Pluribus document 2: system handbook BBN-R-2930

BBN-R-2931
431 Pluribus document 5: advanced software BBN-R-2931

BBN-R-2988
276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2988 AD-A008842/7SL

BBN-R-2999
435 Pluribus document 1: overview BBN-R-2999

BBN-R-3000
433 Pluribus document 3: configurator BBN-R-3000

BBN-R-3001
432 Pluribus document 4: basic software BBN-R-3001

BBN-R-3002
430 Pluribus document 6: functional specifications BBN-R-3002

BBN-R-3003
429 Pluribus document 7: construction BBN-R-3003

BBN-R-3004
428 Pluribus document 8: card testing BBN-R-3004

BBN-R-3005
427 Pluribus document 9: system integration BBN-R-3005

BBN-R-3012
179 Distributed computation and TENEX-related activities AD/A-006735/5SL BBN-R-3012

BBN-R-3056
82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056

BBN-R-3063
275 Interface Message Processors for the ARPA computer network BBN-QTR-01-F2 BBN-R-3063

BBN-R-3089
178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089

BBN-R-3106
274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370

BBN-R-3126
61 A multiprocessor design BBN-R-3126

- 263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL
- 264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST
- 265 Interface Message Processor program BBN-TIR-89 AD-781446/8
- 266 Interface Message Processor program BBN-TIR-89 AD-777750/1GA
- 267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA

BBN-TIR-90

- 404 Network Control Center program BBN-TIR-90 AD-786134/7ST
- 405 Network Control Center program BBN-TIR-90 AD-777752/7
- 406 Network Control Center program AD-771289/6 BBN-TIR-90
- 407 Network Control Center program BBN-TIR-90 COM-74-50998/5WC

BBN-TIR-91

- 503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/2SL
- 504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST
- 505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3
- 506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5

BBN-TIR-93

- 447 Remote Job Entry mini HOST BBN-TIR-93

BEHAVIOR

- 341 On measured behavior of the ARPA network

BIBLIOGRAPHY

- 70 Intercomputer networks: an overview and a bibliography AD-769232/0
- 86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384
- 137 Computer networking report bibliography DDC-TAS-75-9 AD-A010200/4SL
- 143 Computer networks, a bibliography with abstracts NTIS/WIN-74/081 COM-74-11572/6ST
- 314 Bibliography of literature on computer networking NIC06025
- 395 Computer networks and data sharing: a bibliography RFC290 NIC08300
- 400 Computer networking bibliography NIC12288 NIC12289 NIC12290 NIC12291 NIC12292

BIOCYBERNETICS

- 250 Biocybernetics project AD-A008209

BLOCKING

- 361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790
- 384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

500 Nodal blocking in large networks UCLA-CSMAG-ENG-7167

BRIAREUS

47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

BRITISH

555 POST - a British MAIL system UCL-INDRA-NOTE-330

BROAD-BAND

50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834

BROADCAST, BROADCASTING

16 Digital broadcasting in Hawaii - the ALOHA system

79 ALOHA packet broadcasting - a retrospect

82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056

150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28

196 Stability problem of broadcast packet switching networks

229 On splitting random accessed broadcast communication channels

342 On stability of packet switching in a random multi-access broadcast channel

451 Proposed experiment in packet broadcast satellite communications BBN-R-2891

BUDGETS

425 Pinched budgets promote growth of university computer networks

BUILDING

540 Experiences in building, operating and using the ARPA network

BYTE

73 Comments on byte size for connections RFC176 NIC07100

CA-R-123

46 ARPANET management study CA-R-123 AD-777747/7GA

CA-R-148

24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA

CA-R-160

23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA

CA-R-165

47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

CA-R-171

- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

CALL, CALLS

- 500 TENEX JSYS manual - a manual of TENEX Monitor calls
553 Procedure Call Protocol version 2 Some thoughts on system design to facilitate resource sharing NIC24855

CAMPUS

- 321 UCLA Campus Computing Network an ARPANET resource

CAPACITY

- 15 Capacity and excess capacity of ALOHA channels
17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30
18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26
216 Response time capacity analysis of a computer communications network
452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865
467 Dynamic allocation of satellite capacity through packet reservation
468 Dynamic allocation of satellite capacity through packet reservation

CAPTURE

- 456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08
463 Capture effects on ALOHA channels

CARD

- 428 Pluribus document 8: card testing BBN-R-3004

CARRIERS

- 544 Regulatory policy and future data transmission services - packet switching data carriers

CASE

- 253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-1C
489 Case study in networking
490 Experience in networking - a case study

CASSET

- 554 CASSET - a TENEX utility program for the GE TERMINET UCL-INDRA-NOTE-356

CCA-IR-11

- 375 Cooperative network of time shared computers: preliminary study CCA-TR-11 NIC06458

CCBS

- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639

CENTER, CENTERS

- 190 Network Information Center and computer augmented team interaction AD-737131
- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3
- 237 Data reconfiguration service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- 365 Network Control Center for the ARPA network ICC72-CHO-690-8C NSF-GJ-33239 NIC09880
- 404 Network Control Center program BBN-TIR-90 AD-786134/7ST
- 405 Network Control Center program BBN-TIR-90 AD-777752/7
- 406 Network Control Center program AD-771289/6 BBN-TIR-90
- 407 Network Control Center program BBN-TIR-90 COM-74-50998/5WC

CHANGE, CHANGES

- 115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741
- 551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

CHANNEL, CHANNELS

- 15 Capacity and excess capacity of ALOHA channels
- 17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30
- 18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26
- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166
- 229 On splitting random accessed broadcast communication channels
- 342 On stability of packet switching in a random multi-access broadcast channel
- 343 Packet switching in a slotted satellite channel
- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064
- 356 Multiple access channels UH-A72-2 AD-753127 AFOSR-TR-72-2420
- 463 Capture effects on ALOHA channels

CHARTS

- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

COLLABORATION

- 528 Project-oriented collaboration via a computer network NBS-6502121 COM-74-50438/2

COLLECTION

- 110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632
482 Multi-site data collection facility RFC672 NIC31440

COLLEGE

- 325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22

COM-73-50750/1

- 86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384

COM-74-10470/4GA

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA

COM-74-11572/6ST

- 143 Computer networks, a bibliography with abstracts NTIS/WIN-74/081 COM-74-11572/6ST

COM-74-50136/2

- 88 Review of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804

COM-74-50173/5GA

- 142 Network management survey NBS-TN-805 COM-74-50173/5GA ED092162 IR000723

COM-74-50438/2

- 528 Project-oriented collaboration via a computer network NBS-6502121 COM-74-50438/2

COM-74-50926/6ST

- 87 Cost analysis for computer communications NBS-TN-845 COM-74-50926/6ST

COM-74-50998/5WC

- 407 Network Control Center program BBN-TIR-90 COM-74-50998/5WC

COMMAND

- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019

COMMENTS

- 73 Comments on byte size for connections RFC176 NIC07100
317 Guide to network working group Requests For Comments NIC05819

COMMERCIAL

- 251 ARPA network to go commercial

COMMON

- 403 NETED: a common editor for the ARPA network RFC569 NIC18972

COMMUNICATION, COMMUNICATIONS

- 7 ALOHA system - another alternative for computer communications
- 8 ALOHA system - another alternative for computer communications AD-707853 AFOSR-70-1686TR UH-B70-1
- 27 Interprocess communication facilities for network operating systems
- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673
- 48 On distributed communications
- 49 Introduction to communications networks RC-RM-3420-PR AD-444830
- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834
- 60 On distributed communications networks
- 87 Cost analysis for computer communications NBS-TN-845 COM-74-50926/6ST
- 92 Adaptive routing techniques for distributed communications systems
- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271
- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301
- 104 Interprocess communication on the ARPA computer network
- 105 Pluribus: a multiprocessor for communications networks
- 121 HOST-HOST communication protocol in the ARPA network
- 150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28
- 166 ARPA network: the communications sub-network
- 180 Computer networking - the giant step in data communications
- 193 Data communications
- 199 Computer communication network design - experience with theory and practice NIC10273
- 206 Planning computer communication networks: the ARPA computer network
- 210 Reliability considerations in the growth of computer communication networks IEEE-73-CHO-805-2NTC
- 216 Response time capacity analysis of a computer communications network
- 218 Throughput in computer communication networks
- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030

- 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749673 NIC11250
- 223 Adaptive routing techniques for store-and-forward computer communication networks IEEE-71-C28-COM
- 226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC15552
- 229 On splitting random accessed broadcast communication channels
- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318
- 237 Data Reconfiguration Service compiler: a communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- 243 Implications of the computer communication partnership
- 300 Interprocess communication to support distributed computing
- 306 Resource sharing computer communication networks AD-749378 BBN-R-2459
- 307 Resource sharing computer communications networks
- 311 Achieving reliable communication RFC203 NIC07168
- 313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332
- 315 Communications interface for computer networks
- 316 Data sharing using interprocess communication on a computer network
- 322 Modeling considerations in computer communication resource control AD-A008238/8SL
- 346 Resource allocation in computer systems and computer communications networks
- 350 Some advances in radio communications for computers NIC13643 IEEE-73-CHO-716-IC
- 351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-C985
- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B49-8
- 373 Some considerations for a high performance message based interprocess communication system
- 381 Packet communication AD-771430/6GA MAC-TR-114
- 382 Scenarios for using the ARPANET at the International Conference on Computer Communication NIC11863
- 385 Strategies for interprocess communication in a distributed computing system
- 417 Packet Communications Inc. and the VAN issues
- 426 Computer communications networks: computer communications R&D: ARPA network PB-222080-SET
- 438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA

- 451 Proposed experiment in packet broadcast satellite communications BBN-R-2891
- 465 Computers and communications - the 1969 crossover
- 471 Multiple computer networks and intercomputer communication NIC04153
- 472 Multiple computer networks and intercomputer communication
- 494 Distributed computer communications networks
- 495 Natural communication with computers Volume III Distributed computation research at BBN AD/A-003479/3SL
- 496 Design of a secure communications processor AD-761804 MC-MTR-2439-VOL-1
- 517 Data communications for an experimental information retrieval network ESL-TM-515 PB-237975/8SL
- 527 Data communications - issues and more issues: new routes for data
- 530 Simulation of a random access discrete address communication system UH-B70-1
- 537 Avoiding simulation in simulating computer communication networks
- 539 Reliability in computer communications networks
- 542 System for interprocess communication in a resource sharing computer network
- 543 System for interprocess communication in a resource sharing computer network RFC062 NIC04962
- 557 Advanced computer communication network
- COMPARISON, COMPARISONS
- 53 History, alternative approaches, and comparison- RC-RM-3097-PR AD-444838
- 170 Comparison of the network structure for packet switching: ARPA v NPL
- COMPILER
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- COMPILER/INTERPRETER
- 34 Data Reconfiguration Service - compiler/interpreter RFC194 NIC07139
- COMPONENTS
- 209 Providing reliable networks with unreliable components IEEE-73-CHO-828-4C
- COMPOSER
- 85 DMS message composer
- COMPUTATION, COMPUTING
- 112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30
- 178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089

- 179 Distributed computation and TENEX-related activities AD/A-006735/SSL
BBN-R-3012
- 233 Research in on-line computation UCSB-CSL-22 AD-748841
- 234 Research in on-line computation AD-735300 AFCRL-71-0530
- 300 Interprocess communication to support distributed computing
- 321 UCLA Campus Computing Network an ARPANET resource
- 385 Strategies for interprocess communication in a distributed computing system
- 478 Multi-access computing in the 70s: an overview of research and requirements
AD-751612
- 495 Natural communication with computers Volume III Distributed computation
research at BBN AD/A-003479/3SL

COMPUTER-AIDED

- 2 Use of computer networks in support of interactive graphics for computer-
aided design and engineering NBSIR-73-217 COM-74-10479/4GA
- 232 Mixed-initiative information system for computer-aided training and deci-
sion making AD-772416/4GA ED087474 IR000220
- 536 Specification for computer-aided and on-line group conferencing AD-
779064/5

CONDITION

- 491 Solution to the race condition in the ICP RFC161 NIC06772

CONFERENCE

- 382 Scenarios for using the ARPANET at the International Conference on Com-
puter Communication NIC11863

CONFERENCING

- 535 Network conferencing
- 536 Specification for computer-aided and on-line group conferencing AD-
779064/5

CONFIGURATOR

- 433 Pluribus document 3: configurator BBN-R-3000

CONNECTED

- 399 NBS connected to ARPA network
- 420 Proposed protocol for connecting HOST computers to ARPA-like networks
via directly connected front-end processors RFC647 NIC31117

CONNECTING

- 249 Problems of connecting HOSTS into ARPANET via front-end computers
- 420 Proposed protocol for connecting HOST computers to ARPA-like networks
via directly connected front-end processors RFC647 NIC31117
- 493 Problems of connecting HOSTS to ARPANET

CONNECTION, CONNECTIONS

- 73 Comments on byte size for connections RFC176 NIC07100
- 115 Proposed change to HOST-HOST protocol: resynchronization of connection
status RFC467 NIC14741

- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specification for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 440 Official Initial Connection Protocol ICP NIC07101
- 453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH

CONSIDERATIONS

- 57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-444839
- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR
- 128 Storage considerations in store-and-forward message switching
- 210 Reliability considerations in the growth of computer communication networks IEEE-73-CHO-805-2NTC
- 219 Topological considerations in the design of the ARPA computer network NIC04567
- 322 Modeling considerations in computer communication resource control AD-A008238/8SL
- 363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879
- 369 Design considerations for routing algorithms in computer networks
- 373 Some considerations for a high performance message based interprocess communication system
- 445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC
- 454 Operating system design considerations for the packet switching environment
- 529 Design considerations for the MENEHUNE-KAHUNA interface for the ALOHA system UH-TN-69-7

CONSTRUCTION

- 429 Pluribus document 7: construction BBN-R-3003

CONTROL

- 65 Flow control in packet switching networks INWG-NOTE-63
- 123 Current flow control scheme for IMPSYS RFC442 NIC13774
- 146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631
- 303 Flow control in a resource sharing computer network IEEE-CAT-71-C59-C NIC11750
- 304 Flow control in a resource sharing computer network
- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019
- 322 Modeling considerations in computer communication resource control AD-A008238//85L
- 365 Network Control Center for the ARPA network ICC72-CHO-690-8C NSF-GJ-33239 NIC09880
- 404 Network Control Center program BBN-TIR-90 AD-786134/7ST
- 405 Network Control Center program BBN-TIR-90 AD-777752/7
- 406 Network Control Center program AD-771289/6 BBN-TIR-90
- 407 Network Control Center program BBN-TIR-90 COM-74-50998/5WC
- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 441 Survey of network control programs in the ARPA computer network MC-MTR-6722
- 558 Network Control Program NCP

CONTROLLED

- 384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

CONVENTIONS

- 78 Socket conventions reconsidered RFC167 NIC06784

COOPERATION

- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network

COOPERATIVE

- 375 Cooperative network of time shared computers: preliminary study CCA-TR-11 NIC06458
- 379 Toward a cooperative network of time shared computers NIC04152

COORDINATED

- 189 Coordinated information service for a discipline-oriented or mission-oriented community

COST, COSTS

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks

- 54 Minicost microwave RC-RM-3762-PR AD-444835
- 58 Cost analysis RC-RM-3766-PR AD-444836
- 62 Cost effective analysis of network computers UILUC-DCS-R-72-538 PB-211781
- 87 Cost analysis for computer communications NBS-TN-845 COM-71-50926/6ST
- 459 ARPA network: costs and projections IEEE-71-C41-C

CP/CMS

- 480 Interface to the ARPA network for the CP/CMS time sharing system
- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

CURRENT

- 36 ARPA network current network protocols NIC07104
- 123 Current flow control scheme for IMPSYS RFC442 NIC13774
- 151 Current network protocols NIC08246
- 318 Origin, development and current status of the ARPA network IEEE-73-CHO-716-IC
- 437 ARPA network current network protocols NIC07104-REV-1 AD/A-003890/1SL
- 462 ARPANET - current status - future plans

CURRICULUM

- 43 USAWC curriculum and the ARPANET AD-760889

DAHC-15-69-Q0002

- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002

DATA-BASES

- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6
- 301 Maintenance of duplicate data-bases RFC677 NIC31507
- 355 Organizing distributed data-bases in computer networks AD/A-001009/OST

DATA-RATE

- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

DATACOMPUTER

- 150 DATACOMPUTER project AD-A008077/3SL
- 154 DATACOMPUTER project AD/A-002083/4SL
- 155 DATACOMPUTER project AD-787677/4ST
- 156 DATACOMPUTER project AD-757686
- 157 DATACOMPUTER project AD-770881/1GA
- 158 DATACOMPUTER project AD-757181
- 159 DATACOMPUTER support of seismic data activity AD-A010556

- 160 DATACOMPUTER support of seismic data activity AD-A010235/OSL
- 161 DATACOMPUTER support of seismic data activity AD/A-006932/8SL
- 162 DATACOMPUTER support of seismic data activity AD-787017/3SL
- 163 DATACOMPUTER support of seismic data activity AD/A-001560/2ST
- 376 DATACOMPUTER: a network data utility
- 377 DATACOMPUTER: a network data utility

DDC-TAS-75-9

- 137 Computer networking report bibliography DDC-TAS-75-9 AD-A010200/4SL

DECISION

- 222 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220

DEFINITION

- 474 Network Of Computers - definition, modeling and evaluation NIC06614

DEGRADATION

- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166

DELAY

- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166
- 476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291

DEMONSTRATIONS

- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

DESCRIPTION

- 80 ALOHA system multiplexer program description UH-B71-3 AD-728246 AFOSR-TR-71-2195
- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064

DESIGN

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA
- 38 ARPANET: design, operation, management and performance
- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832
- 61 A multiprocessor design BBN-R-3126
- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR

100 - Index

- 131 Routing strategies for computer network design
- 147 Issues in packet switching network design
- 148 Network design issues BBN-R-2918
- 197 Analysis and design of survivable networks
- 199 Computer communication network design - experience with theory and practice NIC10273
- 200 Computer network design
- 201 Design of large scale networks
- 202 Design of problems for computer networks
- 205 Optimal design of computer networks
- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 219 Topological considerations in the design of the ARPA computer network NIC04567
- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030
- 226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC 15552
- 247 Software and logic design interaction in computer networks
- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157
- 309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748
- 326 Analytic and simulation methods in computer network design NIC04566
- 363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879
- 360 Design considerations for routing algorithms in computer networks
- 371 Improvements in the design and performance of the ARPA network NIC11626
- 372 Improvements in the design and performance of the ARPA network
- 454 Operating system design considerations for the packet switching environment
- 488 Study of computer network design parameters AD-784954/0GA SRI-7016
- 496 Design of a secure communications processor AD-761804 MC-MTR-2439-VOL-1
- 522 On the design of a resource sharing executive for the ARPANET BBN-R-2522
- 529 Design considerations for the MENEHUNE-KAHUNA interface for the ALOHA system UH-TN-69-7
- 545 Some thoughts on system design to facilitate resource sharing RFC592 NIC20391
- 553 Procedure Call Protocol version 2 Some thoughts on system design to facilitate resource sharing NIC24855

DETERMINATION

- 51 Determination of path-lengths in a distributed network RC-RM-3578-PR AD-444833

DETERMINISTIC

- 227 Deterministic and adaptive routing policies in packet switched computer networks

DEVELOPED

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL
- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

DEVELOPMENT, DEVELOPMENTS

- 112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30
- 176 Developments in data transmission
- 318 Origin, development and current status of the ARPA network IEEE-73-CHO-716-IC
- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019
- 464 Computer network development to achieve resource sharing NIC04564

DEVIATION

- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030

DIALOGUE

- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network

DIGITAL

- 16 Digital broadcasting in Hawaii - the ALOHA system
- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834

DIRECTORY

- 39 ARPANET directory NIC32992
- 40 ARPANET directory NIC19275
- 41 ARPANET directory NIC05150

102 - Index

DISCRETE

- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8
- 530 Simulation of a random access discrete address communication system UH-B70-1

DISCUSSION

- 415 Discussion of TELNET protocol RFC139 NIC06717

DISPLAY

- 146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631
- 497 Network simulation and display program

DISSIMILAR

- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

DISTRIBUTED

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks
- 48 On distributed communications
- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834
- 51 Determination of path-lengths in a distributed network RC-RM-3578-PR AD-444833
- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832
- 60 On distributed communications networks
- 92 Adaptive routing techniques for distributed communications systems
- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271
- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301
- 178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089
- 179 Distributed computation and TENEX-related activities AD/A-006735/SSL BBN-R-3012
- 194 Distributed computer system
- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-F-4972 AD-765924/6
- 300 Interprocess communication to support distributed computing
- 355 Organizing distributed data-bases in computer networks AD/A-001009/OST
- 368 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA

- 385 Strategies for interprocess communication in a distributed computing system
- 494 Distributed computer communications networks
- 495 Natural communication with computers Volume III Distributed computation research at BBN AD/A-003479/3SL

DMS

- 85 DMS message composer

DOCUMENT, DOCUMENTATION

- 145 HOST-HOST protocol document Number 1 NIC05143
- 416 TELNET protocol - a proposed document RFC158 NIC06768
- 427 Pluribus document 9: system integration BBN-R-3005
- 428 Pluribus document 8: card testing BBN-R-3004
- 429 Pluribus document 7: construction BBN-R-3003
- 430 Pluribus document 6: functional specifications BBN-R-3002
- 431 Pluribus document 5: advanced software BBN-R-2931
- 432 Pluribus document 4: basic software BBN-R-3001
- 433 Pluribus document 3: configuration BBN-R-3000
- 434 Pluribus document 2: system handbook BBN-R-2930
- 435 Pluribus document 1: overview BBN-R-2999
- 551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

DUPLICATE

- 301 Maintenance of duplicate data-bases RFC677 NIC31507

DYNAMIC, DYNAMICS

- 361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790
- 450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293
- 467 Dynamic allocation of satellite capacity through packet reservation
- 468 Dynamic allocation of satellite capacity through packet reservation
- 547 Dynamic extension of OS/360 for a network environment

ECHOING

- 165 Echoing strategy for satellite links RFC357 NIC10599

ECONOMICS

- 182 Economics of packet switching

EDITOR

- 403 NETED: a common editor for the ARPA network RFC569 NIC18972

EDUCATIONAL

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042

ED057876

- 359 Hypothetical plan for a library-information network ED057876

104 - Index

ED087474

- 232 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA IR000220

ED092162

- 142 Network management survey NBS-TN-805 COM-74-50173/5GA
ED092162 IR000723

ED095862

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042

EFFECTS

- 83 Effects of retransmission delay on the degradation of an ALOHA channel
ASS-NOTE-22 NIC12166
463 Capture effects on ALOHA channels

EFFICIENCY

- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process: security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

ELECTRONIC

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

EMERGING

- 188 Emerging computer networks - the ARPA network

ENCAPSULATION

- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

ENGINEERING

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA
55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

ENTRY

- 107 Remote Job Entry protocol NIC12112 RFC407
240 Using Network Remote Job Entry RFC307 NIC09258
447 Remote Job Entry mini host BBN-TIR-93
552 Network specifications for Remote Job Entry and Remote Job Output Retrieval at UCSB RFC105 NIC05775

ENVIRONMENT

- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3
454 Operating system design considerations for the packet switching environment

- 547 Dynamic extension of OS/360 for a network environment

EQUIPMENT

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/ISL

ESD-TR-69-74

- 192 Experimental computer network AD-694055 ESD-TR-69-74

ESD-TR-73-336

- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-Vol-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

ESD-TR-73-337

- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-Vol-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

ESL-TM-515

- 517 Data communications for an experimental information retrieval network ESL-TM-516 PB-237975/8SL

EVALUATION

- 252 Evaluation of an interactive batch-system network
- 424 Evaluation of ARPANET services January through March, 1972 RFC369 NIC11016
- 474 Network Of Computers - definition, modeling and evaluation NIC06614

EVOLUTION

- 68 Evolution of user services - the network resource manager IEEE-CHO-835-9C
- 370 Evolution of message processing techniques in the ARPA network
- 412 Evolution of a high performance modular packet switch

EXAMPLE

- 63 Information network example: the Advanced Research Projects Agency network

EXCESS

- 15 Capacity and excess capacity of ALOHA channels
- 17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30
- 18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26
- 452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865

EXCHANGE

- 102 Programmers guide to the exchange
- 120 Message exchange for computer programs and terminals AD-748986 RC-R-694-ARPA

106 - Index

EXECUTIVE

- 498 TENEX executive language for users
- 499 TENEX executive manual
- 522 On the design of a resource sharing executive for the ARPANET BBN-R-2522
- 525 Resource sharing executive for the ARPANET AD-758162 BBN-R-2522

EXERCISING

- 111 Exercising the ARPANET NIC09074 RFC302

EXISTING

- 67 ARPA network experimentation using existing data management systems MC-WP-7809

EXPERIENCE, EXPERIENCES

- 172 ARPA network experience
- 199 Computer communication network design - experience with theory and practice NIC10273
- 248 Collected papers on experiences with the London node of the ARPA computer network UCL-INDRA-TR-22
- 324 UK experiences with the ARPA computer network
- 393 Terminal access to the ARPA network: experience and improvements AD-757817
- 394 Terminal access to the ARPA network: experience and improvements IEEE-73-CHO-716-IC
- 490 Experience in networking - a case study
- 540 Experiences in building, operating and using the ARPA network

EXPERIMENT, EXPERIMENTAL, EXPERIMENTATION, EXPERIMENTS

- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673
- 67 ARPA network experimentation using existing data management systems MC-WP-7809
- 82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056
- 106 Proposed experiment with a message switching protocol NIC09926 RFC333
- 124 Experimental service for adaptable data reconfiguration
- 127 Selected ARPA network measurement experiments
- 134 Computer network measurements: techniques and experiments UCLA-CSMAG-ENG-7165 AD-739344 NIC10168
- 192 Experimental computer network AD-694055 ESD-TR-69-74
- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318
- 419 Early project MAC ARPA network experiments
- 451 Proposed experiment in packet broadcast satellite communicationd BBN-R-2891

- 517 Data communications for an experimental information retrieval network
ESL-TM-515 PB-237975/8SL

EXTENSION

- 547 Dynamic extension of OS/360 for a network environment

FABRICATION

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

FACILITATE

- 545 Some thoughts on system design to facilitate resource sharing RFC592 NIC20391
- 553 Procedure Call Protocol Version 2 some thoughts on system design to facilitate resource sharing NIC24855

FACILITIES, FACILITY

- 27 Interprocess communication facilities for network operating systems
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network
- 482 Multi-site data collection facility RFC672 NIC31440

FAST

- 132 Fast interactive computer graphics over the ARPA network

FEASIBILITY

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

FIELD

- 532 Research program in the field of computer technology ISI-SR-74-2 AD-784135/6GA

FILE

- 72 Another look at Data and File Transfer Protocols RFC310 NIC09261
- 75 File Transfer Protocol RFC354 NIC10596
- 76 File Transfer Protocol RFC265 NIC07813
- 402 File Transfer Protocol RFC542 NIC17759

FIRMS

- 487 Several firms eye ARPA-type network

FLOW

- 65 Flow control in packet switching networks INWG-NOTE-63
- 123 Current flow control scheme for IMPSYS RFC442 NIC13774
- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer net-

108 - Index

work NIC13030

303 Flow control in a resource sharing computer network IEEE-CAT-71-C59-C
NIC11750

304 Flow control in a resource sharing computer network

556 Interface to the ARPA network for the CP/CMS time sharing system Volume
I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-
773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

FORMAT

146 Proposal for a network standard format for a data stream to control graphics
display RFC086 NIC05631

FORMATION

125 Formation of network measurement group RFC323 NIC09630

FORUM

30 FORUM: a computer based system to support interaction among people

FORWARD

469 Forward look NIC07542

FREQUENCIES

313 Teletype communications at optical frequencies for the ALOHA system
UH-B71-1 AFOSR-TR-71-1203 AD-723332

FRONT-END

249 Problems of connecting HOSTs into ARPANET via front-end computers

420 Proposed protocol for connecting HOST computers to ARPA-like networks
via directly connected front-end processors RFC647 NIC31117

FTP

103 FTP server-server interaction-II RFC478 NIC14947

519 FTP server-server interaction RFC438 NIC13770

FUNCTION

144 Function oriented protocols for the ARPA computer network

FUNCTIONAL

430 Pluribus document 6: functional specifications BBN-R-3002

FUNCTIONS

114 Functions and structure of a packet radio station

FUTURE

462 ARPANET - current status - future plans

544 Regulatory policy and future data transmission services - packet switching
data carriers

GATEWAY

82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056

GENERAL

184 ARPA computer network and general purpose computer networks

185 General purpose networks of computers

GEOGRAPHY

175 Optimization of network geography

GPO-C13-10-384

86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384

GPO-C13-46-804

88 Preview of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804

GRAPH

438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA

GRAPHICAL

241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6

GRAPHICS

2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA

130 Networking and graphics research AD-775145/6GA

132 Fast interactive computer graphics over the ARPA network

146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631

186 ARPA network series: I introduction to the ARPA network at RAND and to the RAND video graphics system RC-R-664-ARPA AD-733049

239 Some thoughts on network graphics RFC094 NIC05725

392 Graphics protocol - level 0 only RFC292 NIC08302

GROUP

125 Formation of Network Measurement Group RFC323 NIC09630

317 Guide to Network Working Group Requests For Comments NIC05819

536 Specification for computer-aided and on-line group conferencing AD-779064/5

GROWTH

210 Reliability considerations in the growth of computer communication networks IEEE-73-CHO-805-2NTC

425 Pinched budgets promote growth of university computer networks

GUIDE

102 Programmers guide to the exchange

116 TENEX user's guide

152 Data traffic measurements guide improvements to resource sharing network

317 Guide to Network Working Group Requests For Comments NIC05819

502 TENEX user's guide

110 - Index

- 509 Terminal Interface Message Processor: user's guide to the Terminal IMF
BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMF
BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP
BBN-R-2183 AD-734418

HANDBOOK

- 99 ARPA Network Terminal System user's handbook
- 434 Pluribus document 2: system handbook BBN-R-2930

HARDWARE

- 507 Terminal Interface Message Processor: the BEN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
- 508 Terminal Interface Message Processor: the BEN TIP; hardware manual BBN-R-2184 AD-740798

HARVARD

- 129 ARPA update: Harvard use of ARPANET

HAWAII

- 16 Digital broadcasting in Hawaii - the ALOHA system
- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR

HERALDS

- 138 Computer networks: the heralds of resource sharing

HETEROGENEOUS

- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751

HIGH

- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832
- 169 High level protocols
- 373 Some considerations for a high performance message based interprocess communication system

- 412 Evolution of a high performance modular packet switch
- 442 High security log-in procedure

HISTORIC, HISTORY

- 53 History, alternative approaches, and comparisons RC-RM-3097-PR AD-444838
- 383 Some historic moments in networking RFC089 NIC05697

HOST, HOSTS

- 249 Problems of connecting HOSTS into ARPANET via front-end computers
- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 305 HOST accounting and administrative procedures RFC136 NIC06713
- 420 Proposed protocol for connecting HOST computers to ARPA-like networks via directly connected front-end processors RFC647 NIC31117
- 447 Remote Job Entry mini HOST BBN-TIR-93
- 486 ARPANET HOST availability data RFC 308 NIC09259
- 493 Problems of connecting HOSTs to ARPANET

HOST-HOST, HOST-TO-HOST, HOST/HOST

- 115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741
- 121 HOST-HOST communication protocol in the ARPA network
- 145 HOST-HOST protocol document number 1 NIC05143
- 254 HOST/HOST protocol for the ARPA network NIC07147
- 363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879
- 364 HOST/HOST protocol for the ARPA network NIC08246 AD-757680
- 541 HOST-TO-HOST protocols

HOT-POTATO

- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834

112 - Index

HYPOTHETICAL

- 359 Hypothetical plan for a library-information network ED057876

ICCC72-CHO-690-8C

- 365 Network Control Center for the ARPA network ICC72-CHO-690-8C NSF-GJ-33239 NIC09380
421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

ICP

- 401 Regarding preferred official ICP RFC143 NIC06728
440 Official Initial Connection Protocol ICP NIC07101
491 Solution to the race condition in the ICP RFC161 NIC06772

IEEE-CAT-71-C59-C

- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
135 Performance measurements on the ARPA computer network IEEE-CAT-71-C59-C
303 Flow control in a resource sharing computer network IEEE-CAT-71-C59-C NIC11750

IEEE-CHO-835-9C

- 68 Evolution of user services - the network resource manager IEEE-CHO-835-9C

IEEE-69-C29-CCM

- 340 Models for computer networks NIC06610 IEEE-69-C29-COM

IEEE-71-C28-COM

- 223 Adaptive routing techniques for store-and-forward computer communication networks IEEE-71-C28-COM

IEEE-71-C41-C

- 459 ARPA network: costs and projections IEEE-71-C41-C

IEEE-73-CHO-716-IC

- 253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-IC
318 Origin, development and current status of the ARPA network IEEE-73-CHO-716-IC
350 Some advances in radio communications for computers NIC13643 IEEE-73-CHO-716-IC
394 Terminal access to the ARPA network: experience and improvements IEEE-73-CHO-716-IC
423 Computer networks from the user's point of view IEEE-73-CHO-716-IC
445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC
475 Network rationale - a 5-year reevaluation IEEE-73-CHO-716-IC

IEEE-73-CHO-805-2NTC

- 210 Reliability considerations in the growth of computer communication networks IEEE-73-CHO-805-2NTC

IEEE-73-CHO-828-4C

- 97 ARPA network terminal system: a new approach to network access IEEE-73-CHO-828-4C
- 149 Reliability issues in the ARPA network IEEE-73-CHO-828-4C
- 209 Providing reliable networks with unreliable components IEEE-73-CHO-828-4C

IEEE-74-CHO-883-1-AE

- 119 Impact of networks on the software marketplace IEEE-74-CHO-883-1-AES

IEEE-74-CHO-902-7CSC

- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 484 Resource sharing with ARPANET IEEE-74-CHO-902-7CSCB

ILLIAC

- 255 ILLIAC IV applications research UIUC-CAC-DN-74-119 AD-786172/7ST
- 256 ILLIAC IV applications research UIUC-CAC-93 AD-772511/2GA
- 257 ILLIAC IV applications research UIUC-CAC-74 AD-763290
- 258 ILLIAC IV applications research UIUC-CAC-48 AD-758011
- 259 ILLIAC IV applications research AD-740766

IMP [SEE ALSO INTERFACE]

- 99 IMP interface manual UIUC-NTS-R-2
- 118 Satellite IMP for the ARPA network
- 167 The Terminal IMP TIP
- 260 IMP operating manual BBN-R-1877
- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 366 Status report on the Terminal IMP NIC19720

114 - Index

- 380 IMP interface for the PDP-10
- 414 Terminal IMP for the ARPA computer network NIC08218
- 453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

IMPACT

- 119 Impact of networks on the software marketplace IEEE-74-CHO-883-1-AES
- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22

IMPLEMENTATION

- 33 Data Reconfiguration Service - an implementation specification RFC166 NIC06780
- 352 ARPA network implementation under ADEPT SDC-TM-4891/000/000 AD-775220/7GA
- 408 Prototypical implementation of the NCP RFC055 NIC04757

IMPLICATIONS

- 243 Implications of the computer communication partnership
- 460 ARPA network implications NIC12982

IMPROVED

- 445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC

IMPROVEMENTS

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present

- status, feasibility for improvements, proposed next steps and pay-offs
CA-R-170 AD/A-006900/5SL.
- 117 TIP TENEX reliability improvements RFC636 NIC30490
- 152 Data traffic measurements guide improvements to resource sharing network
- 362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL.
- 371 Improvements in the design and performance of the ARPA network
NIC11626
- 372 Improvements in the design and performance of the ARPA network
- 393 Terminal access to the ARPA network: experience and improvements AD-757817
- 394 Terminal access to the ARPA network: experience and improvements IEEE-73-CHO-716-IC

IMPSYS

- 123 Current flow control scheme for IMPSYS RFC442 NIC13774

INDEX

- 446 RFC index
- 561 KWIC index for computer networks

INFINITE

- 328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862

INFLUENCE

- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB

INFORMATION

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs
CA-R-170 AD/A-006900/5SL
- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 63 Information network example: the Advanced Research Projects Agency network
- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA
- 189 Coordinated information service for a discipline oriented or mission-oriented community
- 190 Network Information Center and computer augmented team interaction AD-737131
- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3

116 - Index

- 228 Proceedings of the annual computer related information systems symposium 4th held at the United States Air Force Academy on 29-30 Jan 1974 AD-777313/8
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 232 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220
- 517 Data communications for an experimental information retrieval network ESL-TM-515 PB-237975/8SL

INITIAL

- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157
- 440 Official Initial Connection Protocol ICP NIC07101

INTEGRATED

- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22

INTEGRATION

- 177 ARPA network will represent integration on a large scale
- 427 Pluribus document 9: system integration BBN-R-3005

INTER-PERSONAL

- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22

INTER-VERSION

- 551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

INTERACTION, INTERACTIONS

- 30 FORUM: a computer based system to support interaction among people
- 103 FTP server-server interaction - II NIC14947 RFC478
- 190 Network Information Center and computer augmented team interaction AD-737131
- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3
- 247 Software and logic design interaction in computer networks
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 519 FTP server-server interaction RFC438 NIC13770

INTERACTIVE

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA
- 71 Interactive systems research AD-776236/2
- 132 Fast interactive computer graphics over the ARPA network
- 252 Evaluation of an interactive batch-system network

- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network
- 479 Interactive network of time sharing computers

INTERCOMPUTER

- 70 Intercomputer networks: an overview and a bibliography AD-769232/0
- 471 Multiple computer networks and intercomputer communication NIC04153
- 472 Multiple computer networks and intercomputer communication

INTERFACE (SEE ALSO IMP)

- 99 IMP interface manual UIUC-NTS-R-2
- 164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-746051
- 244 Interface Message Processor for the ARPA computer network NIC04565
- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157
- 262 Interface Message Processor program BBN-TIR-89 AD-A012811
- 263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL
- 264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST
- 265 Interface Message Processor program BBN-TIR-89 AD-781446/8
- 266 Interface Message Processor program BBN-TIR-89 AD-777750/1GA
- 267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA
- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370
- 275 Interface Message Processors for the ARPA computer network BBN-QTR-01-F2 BBN-R-3063
- 276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2988 AD-A008842/7SL
- 277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL

118 - Index

- 278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-R-2852 AD-784951/6GA
- 279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL
- 280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419
- 281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417
- 282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734
- 283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023
- 284 Interface Message Processors for the ARPA computer network BBN-QTR-16-D BBN-R-2499 AD-754441
- 285 Interface Message Processors for the ARPA computer network BBN-QTR-15-D BBN-R-2468 AD-750772
- 286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766
- 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799
- 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213
- 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687
- 290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622
- 291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367
- 292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749
- 293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234
- 294 Interface Message Processors for the ARPA computer network BBN-QTR-06-D BBN-R-2003 AD-709621
- 295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118
- 296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357
- 297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442
- 298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229
- 299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D

- 315 Communications interface for computer networks
- 380 IMP interface for the PDP-10
- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002
- 453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 480 Interface to the ARPA network for the CP/CMS time sharing system
- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639
- 503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/2SL
- 504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST
- 505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3
- 506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5
- 507 Terminal Interface Message Processor: The BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
- 508 Terminal Interface Message Processor: The BBN TIP; hardware manual BBN-R-2184 AD-740798
- 509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-721118
- 529 Design considerations for the MENEHUNE - KAHUNA interface for the ALOHA system UH-TN-69-7
- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

INTERFERENCE

- 95 Simulation of interference of packets in the ALOHA System UH-B70-2 AD-705617 AFOSR-70-1254TR

120 - Index

INTERLEAVED

- 470 Interleaved satellite reservation system ASS-NOTE-31 NIC13150

INTERNATIONAL

- 382 Scenarios for using the ARPANET at the International Conference on Computer Communication NIC11863

INTERPROCESS

- 27 Interprocess communication facilities for network operating systems
104 Interprocess communication on the ARPA computer network
300 Interprocess communication to support distributed computing
316 Data sharing using interprocess communication on a computer network
373 Some considerations for a high performance message based interprocess communication system
385 Strategies for interprocess communication in a distributed computing system
542 System for interprocess communication in a resource sharing computer network
543 System for interprocess communication in a resource sharing computer network RFC062 NIC04962

INTERROGATION

- 44 ARPA policy-formulation interrogation network SR-24 AD-758716
45 ARPA policy-formulation interrogation network SR-23 AD-749800
533 ARPA policy-formulation interrogation network AD/A-002489/3SL SR-34
534 ARPA policy-formulation interrogation network SR-30 AD-767438/5GA

INTRODUCTION

- 49 Introduction to communications networks RC-RM-3420-PR AD-444830
186 ARPA network series: I Introduction to the ARPA network at RAND and to the RAND video graphics system RC-R-664-ARPA AD-733049
195 Networks: an introduction - the ARPA network

INWG-NOTE-16

- 363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879

INWG-NOTE-63

- 65 Flow control in packet switching networks INWG-NOTE-63

IR000220

- 232 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220

IR000723

- 142 Network management survey NBS-TN-805 COM-74-50173/5GA ED092162 IR000723

IR001042

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042

ISI-RR-74-19

455 PRIM overview AD-775648 ISI-RR-74-19

ISI-SR-74-2

532 Research program in the field of computer technology ISI-SR-74-2 AD-784135/6GA

ISI-TM-75-1

225 PRIM user's manual AD-A009936 ISI-TM-75-1

ISSUES

- 140 TELNET issued RFC435 NIC13675
- 147 Issues in packet switching network design
- 148 Network design issues BBN-R-2918
- 149 Reliability issues in the ARPA network IEEE-73-CHO-828-4C
- 320 Views on issues relevant to data sharing on computer networks NIC06742
- 417 Packet Communications Inc. and the VAN issues
- 527 Data communications - issues and more issues: new routes for data

JOB

- 101 NETKJT - Remote Job Service protocols for TIPS RFC283 NIC08165
- 107 Remote Job Entry protocol NIC12112 RFC407
- 240 Using network Remote Job Entry RFC307 NIC09258
- 447 Remote Job Entry mini HOST BBN-TIR-93
- 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

JSYS

- 500 TENEX JSYS manual - a manual of TENEX Monitor calls
- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

KAHUNA

- 529 Design considerations for the MENEHUNE - KAHUNA interface for the ALOHA system UH-TN-69-7

KWIC

- 561 KWIC index for computer networks

LANGUAGE

- 354 ARPA network technical aspects in nontechnical language
- 498 TENEX Executive language for users

LARGE

- 177 ARPA network will represent integration on a large scale
- 201 Design of large scale networks
- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 235 Aspects of large scale resources sharing through networks of computers AD-748927 RC-P-4833

122 - Index

- 238 Large scale sharing of computer resources AD-750283 RC-P-4856
- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6
- 327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27
- 559 Nodal blocking in large networks
- 560 Nodal blocking in large networks UCLA-CSMAG-ENG-7167

LAYOUT

- 174 Stages in the layout of the ARPA network

LEGAL

- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

LEVEL

- 169 High level protocols
- 392 Graphics protocol - level 0 only RFC292 NIC08302

LIBRARY-INFORMATION

- 359 Hypothetical plan for a library-information network ED057876

LIFE-SCIENCES

- 245 Networks and life-sciences: the ARPA network and TELENET

LINKING

- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICCC72-CHO-690-8C NSF-GJ-33239

LINKS

- 165 Echoing strategy for satellite links RFC357 NIC10599

LITERATURE

- 86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384
- 314 Bibliography of literature on computer networking NIC06025

LOAD

- 526 TENEX load averages for July 1973 RFC546 NIC17792

LOCATION

- 69 Resource location and acquisition service for the APPA network

LOG-IN

- 442 High security log-in procedure

LOGIC

- 247 Software and logic design interaction in computer networks

LONDON

- 248 Collected papers on experiences with the London node of the ARPA computer network UCL-INDRA-TR-22

- 325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22
- 448 Report to the computer systems and electronics division of the department of industry, London on the ARPA computer network AD/A-002346/SSL

MAC

- 419 Early project MAC ARPA network experiments

MAC-TM-53

- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA

MAC-TR-114

- 381 Packet communication AD-771430/6GA MAC-TR-114

MAIL

- 523 On the problem of signature authentication for network mail RFC644 NIC30874
- 555 POST - a British MAIL system UCL-INDRA-NOTE-330

MAINTENANCE

- 301 Maintenance of duplicate data-bases RFC677 NIC31507

MANAGEMENT

- 23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA
- 24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA
- 38 ARPANET: design, operation, management and performance
- 46 ARPANET management study CA-R-123 AD-777747/7GA
- 67 ARPA network experimentation using existing data management systems MC-WP-7809
- 110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632
- 141 Network management survey
- 142 Network management survey NBS-TN-805 COM-74-50173/5GA ED092162 IR000723
- 396 Storage organization and management in TENEX

MANAGER

- 68 Evolution of user services - the network resource manager IEEE-CHO-835-9C

MANUAL

- 99 IMP interface manual UIUC-NTS-R-2
- 225 PRIM user's manual AD-A009936 ISI-TM-75-1
- 231 PEESPOL manual UIUC-CAC-500 NIC09047
- 260 IMP operating manual BBN-R-1877
- 499 TENEX Executive manual
- 500 TENEX JSYS manual - a manual of TENEX monitor calls

124 - Index

- 501 TENEX Monitor manual
- 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/OSI.
- 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798

MARKETPLACE

- 119 Impact of networks on the software marketplace IEEE-74-CHO-883-1-AES

MC-MTP-357

- 422 Survey of computer networks MC-MTP-357 AD-762068

MC-MTR-2439-VOL-1

- 496 Design of a secure communications processor AD-761804 MC-MTR-2439-VOL-1

MC-MTR-6019

- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS Based on the ARPA computer network technology MC-MTR-6019

MC-MTR-6722

- 441 Survey of network control programs in the ARPA computer network MC-MTR-6722

MC-WP-7809

- 67 ARPA network experimentation using existing data management systems MC-WP-7809

MCROSS

- 521 MCROSS - a multi-computer programming system

MDC

- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA

MEASURED

- 341 On measured behavior of the ARPA network

MEASUREMENT, MEASUREMENTS

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks
- 125 Formation of Network Measurement Group RFC323 NIC09630
- 127 Selected ARPA network measurement experiments
- 134 Computer network measurements: techniques and experiments UCLA-CSMAG-ENG-7165 AD-739344 NIC10168
- 135 Performance measurements on the ARPA computer network IEEE-CAT-71-C59-C
- 136 Performance measurements on the ARPA computer network
- 152 Data traffic measurements guide improvements to resource sharing network
- 344 Performance models and measurement of the ARPA computer network

- 345 Performance models and measurements of the ARPA computer network
- 374 Throughput in the ARPA network - analysis and measurement BBN-R-2491

MECHANISM

- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

MENEHUNE

- 529 Design considerations for the MENEHUNE - KAHUNA interface for the ALOHA system UH-TN-69-7

MENEHUNE-KEIKI

- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR

MESSAGE

- 85 DMS message composer
- 106 Proposed experiment with a message switching protocol NIC09926 RFC333
- 120 Message exchange for computer programs and terminals AD-748986 RC-R-694-ARPA
- 128 Storage considerations in store-and-forward message switching
- 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749678 NIC11250
- 244 Interface Message Processor for the ARPA computer network NIC04565
- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157
- 262 Interface Message Processor program BBN-TIR-89 AD-A012811
- 263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL
- 264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST
- 265 Interface Message Processor program BBN-TIR-89 AD-781446/8
- 266 Interface Message Processor program BBN-TIR-89 AD-777750/1GA
- 267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA
- 268 Interface Message Processor: specifications for the int - connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370

126 - Index

- 275 Interface Message Processors for the ARPA computer network BBN-QTR-01-F2 BBN-R-3063
- 276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2983 AD-A008842/7SL
- 277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL
- 278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-R-2852 AD-784951/6GA
- 279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL
- 280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419
- 281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417
- 282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734
- 283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023
- 284 Interface Message Processors for the ARPA computer network BBN-QTR-16-D BBN-R-2499 AD-754441
- 285 Interface Message Processors for the ARPA computer network BBN-QTR-15-D BBN-R-2468 AD-750772
- 286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766
- 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799
- 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213
- 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687
- 290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622
- 291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367
- 292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749
- 293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234
- 294 Interface Message Processors for the ARPA computer network BBN-QTR-06-D BBN-R-2003 AD-709621
- 295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118
- 296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357

- 297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442
- 298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229
- 299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 370 Evolution of message processing techniques in the ARPA network
- 373 Some considerations for a high performance message based interprocess communication system
- 398 Message transmission protocol RFC680 NIC 32116
- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002
- 453 Terminal Interface Message Processor: specifications for the inter connection of Terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/2SL
- 504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST
- 505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3
- 506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5
- 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
- 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798
- 509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

128 - Index

METHOD, METHODS

- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030
- 326 Analytic and simulation methods in computer network design NIC04566

MICROWAVE

- 54 Mini cost microwave RC-RM-3762-PR AD-444835

MILITARY

- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019

MINI

- 54 Mini cost microwave RC-RM-3762-PR AD-444835
- 447 Remote job entry mini HOST BBN-TIR-93

MINICOMPUTER/MULTIPROCESSOR

- 246 New minicomputer/multiprocessor for the ARPA network

MISSION-ORIENTED

- 189 Coordinated information service for a discipline-oriented or mission-oriented community

MIT-AI-M-292

- 183 U T MIT-AI-M-292 AD-A010916

MIXED-INITIATIVE

- 232 Mixed-initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220

MODEL, MODELING, MODELS

- 322 Modeling considerations in computer communication resource control AD-A008238/8SL
- 328 Approximations in the infinite population model for the ARPANET satellite System ASS-NOTE-17 NIC11862
- 340 Models for computer networks NIC06610 IEEE-69-C29-COM
- 344 Performance models and measurement of the ARPA computer network
- 345 Performance models and measurements of the ARPA computer network
- 438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA
- 474 Network Of Computers - definition, modeling and evaluation NIC06614

MODULAR

- 412 Evolution of a high performance modular packet switch

MODULE

- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064

MONITOR

- 500 TENEX JSYS Manual - a manual of TENEX monitor calls
- 501 TENEX Monitor manual

MONITORING

- 173 Monitoring in the ARPA network

MUDDLE-TO-DATALANGUAGE

- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA

MULTI-ACCESS

- 342 On stability of packet switching in a random multi-access broadcast channel
- 478 Multi-access computing in the 70s: an overview of research and requirements AD-751612

MULTI-COMPUTER

- 521 MCROSS - a multi-computer programming system

MULTI-PURPOSE

- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

MULTI-SITE

- 482 Multi-site data collection facility RFC672 NIC31440

MULTIPLE

- 356 Multiple access channels UH-A72-2 AD-753127 AFOSR-TR-72-2420
- 471 Multiple computer networks and intercomputer communication NIC04153
- 472 Multiple computer networks and intercomputer communication

MULTIPLEXER, MULTIPLEXING

- 56 Multiplexing station RC-RM-3764-PR AD-444831
- 80 ALOHA system multiplexer program description UH-B71-3 AD-728246 AFOSR-TR-71-2195
- 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR
- 353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064
- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8

MULTIPROCESSOR

- 61 A multiprocessor design BBN-R-3126
- 105 Pluribus: a multiprocessor for communications networks
- 411 BBN multiprocessor
- 413 Pluribus - a reliable multiprocessor

130 - Index

NATIONAL.

- 439 National software works protocols, version 2 NIC24856
- 473 National networks

NATURAL.

- 495 Natural communication with computers Volume III distributed computation research at BBN AD/A-003479/3SL

NBS

- 399 NBS connected to ARPA network

NBS-TN-799

- 409 NIC/ARPANET protocol analysis system E NBS-TN-799

NBS-TN-804

- 88 Review of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804

NBS-TN-805

- 142 Network management survey NBS-TN-805 COM-74-50173/5GA ED092162 IR000723

NBS-TN-845

- 87 Cost analysis for computer communications NBS-TN-845 COM-74-50926/6ST

NBS-6502121

- 528 Project-oriented collaboration via a computer network NBS-6502121 COM-74-50438/2

NBSIR-73-217

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 Com-74-10470/4GA

NCP [SEE ALSO PROGRAM]

- 312 Simplified NCP protocol NIC04762 RFC060
- 408 Prototypical implementation of the NCP RFC055 NIC04757
- 548 NCP for the ARPA network NIC05480
- 558 Network Control Program NCP

NETED

- 403 NETED: a common editor for the ARPA network RFC569 NIC18972

NETRJS

- 100 Interim NETRJS specifications RFC189 NIC07133

NETRJT

- 101 NETRJT - Remote Job Service protocols for TIPS RFC283 NIC08165

NETTING, NETWORKING

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

- 64 More power by networking
- 88 Review of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804
- 130 Networking and graphics research AD-775145/6GA
- 137 Computer networking report bibliography DDC-TAS-75-9 AD-A010200/4SL
- 180 Computer networking - the giant step in data communications
- 314 Bibliography of literature on computer networking NIC06025
- 383 Some historic moments in networking RFC089 NIC05697
- 400 Computer networking bibliography NIC12288 NIC12289 NIC12290 NIC12291 NIC12292
- 443 Computer networking technology - a state-of-the-art review
- 481 Networking: an overview
- 489 Case study in networking
- 490 Experience in networking - a case study

NETWORK

- 391 Using NETWORK: a program providing terminal access to the ARPA computer network

NEW

- 23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA
- 24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA
- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL
- 47 New applications for ARPANET developed information processing technology Volume III DRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 96 ANTS - a new approach to accessing the ARPA network UIUC-CAC-47
- 97 ARPA Network Terminal System: a new approach to network access IEEE-73-CHO-828-4C
- 230 New applications for ARPANET developed information processing technology Volume II security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 246 New minicomputer/multiprocessor for the ARPA network
- 527 Data communications - issues and more issues: new routes for data

NEWS

- 42 ARPANET news

NIC/ARPANET

- 409 NIC/ARPANET protocol analysis system E NBS-TN-799

132 ~ Index

NIC01380

337 Computer network research AD-711342 NIC01380

NIC03772

299 Interface Message Processors for the ARPA computer network BBN-R-1783
AD-686811 NIC03772 BBN-QTR-01-D

NIC04152

379 Toward a cooperative network of time shared computers NIC04152

NIC04153

471 Multiple computer networks and intercomputer communication NIC04153

NIC04157

261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157

NIC04357

296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357

NIC04564

464 Computer network development to achieve resource sharing NIC04564

NIC04565

244 Interface Message Processor for the ARPA computer network NIC04565

NIC04566

326 Analytic and simulation methods in computer network design NIC04566

NIC04567

219 Topological considerations in the design of the ARPA computer network
NIC04567

NIC04623

198 Analysis and optimization of store-and-forward computer networks AD-707438 NIC04623

NIC04757

408 Prototypical implementation of the NCP RFC055 NIC04757

NIC04762

312 Simplified NCP protocol NIC04762 RFC060

NIC04962

543 System for interprocess communication in a resource sharing computer network RFC062 NIC04962

NIC05143

145 HOST-HOST protocol document number 1 NIC05143

NIC05150

41 ARPANET directory NIC05150

NIC05480

548 NCP for the ARPA network NIC05480

NIC05631

146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631

NIC05697

383 Some historic moments in networking RFC089 NIC05697

NIC05725

239 Some thoughts on network graphics RFC094 NIC05725

NIC05749

292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749

NIC05775

552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

NIC05819

317 Guide to Network Working Group Requests For Comments NIC05819

NIC05832

347 Network PL1 subprograms NIC05832 RFC120

NIC06019

293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234

NIC06025

314 Bibliography of literature on computer networking NIC06025

NIC06442

297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442

NIC06458

375 Cooperative network of time shared computers: a preliminary study CCA-TR-11 NIC06458

NIC06610

340 Models for computer networks NIC06610 IEEE-69-C29-COM

NIC06713

305 HOST accounting and administrative procedures RFC136 NIC06713

NIC06614

474 Network of computers - definition, modeling and evaluation NIC067714

NIC06715

35 Status report on proposed Data Reaonfiguration Service RFC138 NIC06715

134 - Index

NIC06717

415 Discussion of TELNET protocol RFC139 NIC06717

NIC06728

401 Regarding proferred official ICP RFC143 NIC06728

NIC06742

320 Views on issues relevant to data sharing on computer networks NIC06742

NIC06753

291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367

NIC06768

416 TELNET protocol - a proposed document RFC158 NIC06768

NIC06772

491 Solution to the race condition in the ICP RFC161 NIC06772

NIC06780

33 Data Reconfiguration Service - an implementation specification RFC166
NIC06780

NIC06784

78 Socket conventions reconsidered RFC167 NIC06784

NIC06866

59 Summary overview RC-RM-3767-PR NIC06866 AD-444837

NIC07100

73 Comments on byte size for connections RFC176 NIC07100

NIC07101

440 Official Initial Connection Protocol ICP NIC07101

NIC07104

36 ARPA network current network protocols NIC07104

NIC07104-REV-1

437 ARPA network current network protocols NIC07104-REV-1 AD/A-003890/
ISL

NIC07133

100 Interim NETRJS specifications RFC189 NIC07133

NIC07139

34 Data Reconfiguration Service - compiler/interpreter RFC194 NIC07139

NIC07147

254 HOST/HOST protocol for the ARPA network NIC07147

NIC07168

311 Achieving reliable communication RFC203 NIC07168

NIC07178

388 System programmer's workshop announcements RFC207 NIC07178

- NIC07192
 - 389 System programmer's workshop announcements RFC212 NIC07192
- NIC07542
 - 469 Forward look NIC07542
- NIC07621
 - 387 System programmer's workshop announcements RFC222 NIC07621
- NIC07651
 - 390 System programmer's workshop announcements RFC234 NIC07651
- NIC07695
 - 77 Scenarios for using ARPANET computers RFC254 NIC07695
- NIC07812
 - 74 Data Transfer Protocol RFC264 NIC07812
- NIC07813
 - 76 File Transfer Protocol RFC265 NIC07813
- NIC08165
 - 101 NETRJT - remote job service protocols for TIPS RFC283 NIC08165
- NIC08218
 - 414 Terminal IMP for the ARPA computer network NIC08218
- NIC08246
 - 151 Current network protocols NIC08246
 - 364 HOST/HOST protocol for the ARPA network NIC08246 AD-757680
- NIC08300
 - 395 Computer networks and data sharing: a bibliography RFC290 NIC08300
- NIC08302
 - 392 Graphics protocol - level 0 only RFC292 NIC08302
- NIC08882
 - 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799
- NIC09046
 - 217 Routing in computer networks NIC09046
- NIC09047
 - 231 PEESPOL manual UIUC-CAC-500 NIC09047
- NIC09074
 - 111 Exercising the ARPANET NIC09074 RFC302
- NIC09185
 - 290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622
- NIC09186
 - 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687

136 - Index

NIC09193

- 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213

NIC09258

- 240 Using network Remote Job Entry RFC307 NIC09258

NIC09259

- 486 ARPANET HOST availability data RFC308 NIC09259

NIC09261

- 72 Another look at Data and File Transfer Protocols RFC310 NIC09261

NIC09348

- 436 Ad-hoc TELNET protocol NIC09348 RFC318

NIC09630

- 125 Formation of network measurement group RFC323 NIC09630

NIC09880

- 365 Network Control Center for the ARPA network ICCC72-CHO-690-8C NSF-GJ-33239 NIC09880

NIC09926

- 106 Proposed experiment with a message switching protocol NIC09926 RFC333

NIC10168

- 134 Computer network measurements: techniques and experiments UCLA-CSMAG-ENG-7165 AD-739344 NIC10168

NIC10273

- 199 Computer communication network design - experience with theory and practice NIC10273

NIC10596

- 75 File Transfer Protocol RFC354 NIC10596

NIC10599

- 165 Echoing strategy for satellite links RFC357 NIC10599

NIC10606

- 1 Serving remote users on the ARPANET NIC10606 RFC364

NIC10916

- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916

NIC11016

- 424 Evaluation of ARPANET services January through March, 1972 RFC369 NIC11016

NIC11250

- 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749678 NIC11250

NIC11283

14 ARPANET Satellite System ASS-NOTE-01 NIC11283

NIC11284

13 ARPANET Satellite System ASS-NOTE-02 NIC11284

NIC11285

224 ARPANET Satellite System ASS-NOTE-03 NIC11285

NIC11286

12 ARPANET Satellite System ASS-NOTE-04 NIC11286

NIC11287

11 ARPANET Satellite System ASS-NOTE-05 NIC11287

NIC11288

10 ARPANET Satellite System ASS-NOTE-06 NIC11288

NIC11289

9 ARPANET Satellite System ASS-NOTE-07 NIC11289

NIC11290

456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08

NIC11291

476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291

NIC11293

450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293

NIC11624

384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

NIC11626

371 Improvements in the design and performance of the ARPA network NIC11626

NIC11685

286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766

NIC11748

309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748

NIC11749

310 Terminal access to the ARPA computer network NIC11749

NIC11750

303 Flow control in a resource sharing computer network IEEE-CAT-71-CS9-C NIC11750

138 - Index

NIC11862

328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862

NIC11863

382 Scenarios for using the ARPANET at the International Conference on Computer Communication NIC11863

NIC11865

452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865

NIC12112

107 Remote Job Entry protocol NIC12112 RFC407

NIC12166

83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166

NIC12288

400 Computer networking bibliography NIC12288 NIC12289 NIC12290
NIC12291 NIC12292

NIC12289

400 Computer networking bibliography NIC12288 NIC12289 NIC12290
NIC12291 NIC12292

NIC12290

400 Computer networking bibliography NIC12288 NIC12289 NIC12290
NIC12291 NIC12292

NIC12291

400 Computer networking bibliography NIC12288 NIC12289 NIC12290
NIC12291 NIC12292

NIC12292

400 Computer networking bibliography NIC12288 NIC12289 NIC12290
NIC12291 NIC12292

NIC12407

397 TENEX bandwidth RFC415 NIC12407

NIC12735

18 Excess capacity of a plotted ALOHA channel NIC12735 ASS-NOTE-26

NIC12736

327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27

NIC12744

150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28

NIC12982

460 ARPA network implications NIC12982

NIC13011

524 Reconnection protocol RFC426 NIC13011

NIC13030

221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030

NIC13044

17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30

NIC13147

81 Another ALOHA satellite protocol ASS-NOTE-32 NIC13147

NIC13150

470 Interleaved satellite reservation system ASS-NOTE-31 NIC13150

NIC13643

350 Some advances in radio communications for computers NIC13643 IEEE-73-CHO-716-IC

351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985

NIC13675

140 TELNET issues RFC435 NIC13675

NIC13770

519 FTP server-server interaction RFC438 NIC13770

NIC13774

123 Current flow control scheme for IMPSYS RFC442 NIC13774

NIC13879

363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879

NIC14741

115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741

NIC14790

361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790

NIC14947

103 FTP server-server interaction RFC478 NIC14947

NIC15371

367 TELNET protocol specification RFC495 NIC15371

NIC15552

226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC15552

140 - Index

NIC17759

402 File Transfer Protocol RFC542 NIC17759

NIC17792

526 TENEX load averages for July 1973 RFC546 NIC17792

NIC18972

403 NETED: a common editor for the ARPA network RFC569 NIC 18972

NIC19275

40 ARPANET directory NIC19275

NIC19720

366 Status report on the Terminal IMP NIC19720

NIC20391

545 Some thoughts on system design to facilitate resource sharing RFC592
NIC20391

NIC24855

553 Procedure Call Protocol version 2 Some thoughts on system design to facilitate resource sharing NIC24855

NIC24856

439 National Software Works protocols, version 2 NIC24856

NIC25008

550 NSW tool package, NTP version 2 NIC25008

NIC25009

549 NSW process structure; NSWSTRUC version 2 NIC25009

NIC25062

551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

NIC30489

122 Assessment of ARPANET protocols RFC635 NIC30489

NIC30490

117 TIP TENEX reliability improvements RFC636 NIC30490

NIC30874

523 On the problem of signature authentication for network mail RFC644
NIC30874

NIC31117

420 Proposed protocol for connecting HOST computers to ARPA-like networks
via directly connected front-end processors RFC647 NIC31117

NIC31439

483 Note on reconnection protocol RFC671 NIC31439

NIC31440

482 Multi-site data collection facility RFC672 NIC31440

NIC31507

301 Maintenance of duplicate data-bases RFC677 NIC31507

NIC32116

398 Message transmission protocol RFC680 NIC32116

NIC32992

39 ARPANET directory NIC32992

NODAL

559 Nodal blocking in large networks

560 Nodal blocking in large networks UCLA-CSMAG-ENG-7167

NODE

55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

248 Collected papers on experiences with the London node of the ARPA computer network UCL-INDRA-TR-22

325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22

Nontechnical

354 ARPA network technical aspects in nontechnical language

NOTE

483 Note on reconnection protocol RFC671 NIC31439

NPL

170 Comparison of the network structure for packet switching: ARPA v NPL

NRL-7846

362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL

NSF-GJ-33239

365 Network Control Center for the ARPA network ICC72-CHO-690-8C NSF-GJ-33239 NIC09880

421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

NSW

549 NSW process structure; NSWSTRUC version 2 NIC25009

550 NSW tool package, NTP version 2 NIC25008

NSWSTRUC

549 NSW process structure; NSWSTRUC version 2 NIC25009

NTIS/WIN-74/081

143 Computer networks, a bibliography with abstracts NTIS/WIN-74/081 COM-74-11572/6ST

NTP

550 NSW tool package, NTP version 2 NIC25008

142 - Index

NUMERICAL

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks

OFFICIAL

- 401 Regarding proffered official ICP RFC143 NIC06728
- 410 Official Initial Connection Protocol ICP NIC07101

ON-LINE

- 112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30
- 191 On-line team environment network information center and computer augmented team interaction SRI-ARC-13041 AD-766005/3
- 233 Research in on-line computation UCSB-CSL-22 AD-748841
- 234 Research in on-line computation AD-735300 AFCRL-71-0530
- 536 Specification for computer-aided and on-line group conferencing AD-779064/5

OPERATING

- 27 Interprocess communication facilities for network operating systems
- 260 IMP operating manual BBN-R-1877
- 386 Strategies for operating systems in computer networks
- 454 Operating system design considerations for the packet switching environment
- 518 ARPANET TENEX - a step toward a network operating system
- 540 Experiences in building, operating and using the ARPA network

OPERATION

- 38 ARPANET: design, operation, management and performance

OPTICAL

- 313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332

OPTIMAL

- 205 Optimal design of computer networks
- 476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291

OPTIMIZATION

- 175 Optimization of network geography
- 198 Analysis and optimization of store-and-forward computer networks AD-707438 NIC04623
- 220 Topological optimization of computer networks

ORGANIZATION

- 396 Storage organization and management in TENEX

ORGANIZING

- 355 Organizing distributed data-bases in computer networks AD/A-001009/GST

ORIGIN

- 318 Origin, development and current status of the ARPA network IEEE-73-CHO-716-IC

ORIGINAL

- 171 ARPA original protocols

OS/360

- 547 Dynamic extension of OS/360 for a network environment

OUTPUT

- 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

OVERLOAD

- 52 Priority, precedence, and overload RC-RM-3638-PR AD-444840

OVERVIEW

- 59 Summary overview RC-RM-3767-PR NIC06866 AD-444837
- 70 Intercomputer networks: an overview and a bibliography AD-769232/0
- 435 Pluribus document 1: overview BBN-R-2999
- 455 PRIM overview AD-775648 ISI-RR-74-19
- 478 Multi-access computing in the 70s: an overview of research and requirements AD-751612
- 481 Networking: an overview

PACIFIC

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042

PACKAGE

- 550 NSW tool package, NTP version 2 NIC25008

PACKET, PACKETS

- 19 Packet switching with satellites
- 20 Packet switching with satellites UH-B73-2 AD-761544 AFOSR-TR-73-0984
- 65 Flow control in packet switching networks INWG-NOTE-63
- 79 ALOHA packet broadcasting - a retrospect
- 82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056
- 95 Simulation of interference of packets in the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 113 Packet switching
- 114 Functions and structure of a packet radio station
- 133 Analysis of the separation between packets in a store-and-forward network
- 147 Issues in packet switching network design
- 170 Comparison of the network structure for packet switching: ARPA v NPL
- 182 Economics of packet switching
- 196 Stability problem of broadcast packet switching networks
- 227 Deterministic and adaptive routing policies in packet switched computer networks

144 - Index

- 302 ARPA network packet switching technology
- 342 On stability of packet switching in a random multi-access broadcast channel
- 343 Packet switching in a slotted satellite channel
- 362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL
- 361 Packet communication AD-771430/6GA MAC-TR-114
- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 412 Evolution of a high performance modular packet switch
- 417 Packet Communications Inc. and the VAN issues
- 418 Packet switching net to begin in June - TELENET service will use SOLC
- 451 Proposed experiment in packet broadcast satellite communications BBN-R-2691
- 454 Operating system design considerations for the packet switching environment
- 456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08
- 466 Data by the packet
- 467 Dynamic allocation of satellite capacity through packet reservation
- 468 Dynamic allocation of satellite capacity through packet reservation
- 544 Regulatory policy and future data transmission services - packet switching data carriers
- 546 Public packet switched networks

PAGED

- 89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261
- 90 TENEX, a paged time sharing system for the PDP-10
- 91 TENEX, a paged time sharing system for the PDP-10 Abstract

PARAMETERS

- 488 Study of computer network design parameters AD-784954/0GA SRI-7016

PARTICIPATING

- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239

PARTNERSHIP

- 243 Implications of the computer communication partnership

PATH-LENGTHS

- 51 Determination of path-lengths in a distributed network RC-RM-3578-PR AD-444833

PAY-OFFS

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

PB-211784

- 62 Cost effective analysis of network computers UIUC-DCS-R-72-538 PB-211784

PB-222080-SET

- 37 ARPA network rationale: a 5-year re-evaluation PB-222080-SET
- 426 Computer communications networks; computer communications R&D: ARPA network PB-222080-SET
- 461 ARPA network rationale: a 5-year reevaluation PB-222080-SET

PB-231876/4GA

- 485 Survey report on computer networks WIS-CS-177-73 PB-231876/4GA

PB-237975/8SL

- 517 Data communications for an experimental information retrieval network ESL-TM-515 PB-237975/8SL

PCP

- 551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

PCPV2

- 551 PCP inter-version 2-3 documentation; PCPV2 changes NIC25062

PDP-10

- 89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261
- 90 TENEX, a paged time sharing system for the PDP-10
- 91 TENEX, a paged time sharing system for the PDP-10 Abstract
- 380 IMP interface for the PDP-10

PDP-15

- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639

PEESPOL

- 231 PEESPOL manual UIUC-CAC-500 NIC09047

PEOPLE

- 30 FORUM: a computer based system to support interaction among people

PERFORMANCE

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks
- 38 ARPANET: design, operation, management and performance
- 135 Performance measurements on the ARPA computer network IEEE-CAT-71-C59-C
- 136 Performance measurements on the ARPA computer network
- 309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748
- 344 Performance models and measurement of the ARPA computer network
- 345 Performance models and measurements of the ARPA computer network

146 - Index

- 371 Improvements in the design and performance of the ARPA network NIC11626
- 372 Improvements in the design and performance of the ARPA network
- 373 Some considerations for a high performance message based interprocess communication system
- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 412 Evolution of a high performance modular packet switch

PERIPHERAL

- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639

PILOT

- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019

PLAN, PLANNING, PLANS

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042
- 206 Planning computer communication networks: the ARPA computer network
- 308 Status and plans for the ARPANET
- 359 Hypothetical plan for a library-information network ED057876
- 462 ARPANET - current status - future plans

PLURIBUS

- 105 Pluribus: a multiprocessor for communications networks
- 413 Pluribus - a reliable multiprocessor
- 427 Pluribus document 9: system integration BBN-R-3005
- 428 Pluribus document 8: card testing BBN-R-3004
- 429 Pluribus document 7: construction BBN-R-3003
- 430 Pluribus document 6: functional specifications BBN-R-3002
- 431 Pluribus document 5: advanced software BBN-R-2931
- 432 Pluribus document 4: basic software BBN-R-3001
- 433 Pluribus document 3: configuration BBN-R-3000
- 434 Pluribus document 2: system handbook BBN-R-2930
- 435 Pluribus document 1: overview BBN-R-2999

PL1

- 347 Network PL1 subprograms NIC05832 RFC120

POLICIES, POLICY

- 227 Deterministic and adaptive routing policies in packet switched computer networks
- 544 Regulatory policy and future data transmission services - packet switching data carriers

POLICY-FORMULATION

- 44 ARPA policy-formulation interrogation network SR-24 AD-758716
- 45 ARPA policy-formulation interrogation network SR-23 AD-749800
- 533 ARPA policy-formulation interrogation network AD/A-002489/3SL SR-34
- 534 ARPA policy-formulation interrogation network SR-30 AD-767438/5GA

POPULATION

- 328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862

POST

- 555 POST - a British MAIL system UCL-INDRA-NOTE-330

POWER

- 64 More power by networking

PRACTICAL

- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA

PRACTICE

- 199 Computer communication network design - experience with theory and practice NIC10273

PRECEDENCE

- 52 Priority, precedence, and overload RC-RM-3638-PR AD-444840

PRELIMINARY

- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832
- 375 Cooperative network of time shared computers: preliminary study CCA-TR-11 NIC06458

PRESENT

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

PRIM

- 225 PRIM user's manual AD-A009936 ISI-TM-75-1
- 455 PRIM overview AD-775048 ISI-RR-74-19

PRIORITY

- 52 Priority, precedence, and overload RC-RM-3638-PR AD-444840

PROBLEM, PROBLEMS

- 196 Stability problem of broadcast packet switching networks
- 202 Design problems for computer networks
- 249 Problems of connecting HOSTs into ARPANET via front-end computers

148 - Index

- 444 Resource sharing networks problems and prospects from a user's viewpoint
- 493 Problems of connecting HOSTs to ARPANET
- 523 On the problem of signature authentication for network mail RFC644
NIC30874

PROCEDURE, PROCEDURES

- 305 HOST accounting and administrative procedures RFC136 NIC06713
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 442 High security log-in procedure
- 553 Procedure call protocol version 2 Some thoughts on system design to facilitate resource sharing NIC24855

PROCEEDINGS

- 228 Proceedings of the annual computer related information systems symposium
4th held at the United States Air Force Academy on 29-30 Jan 1974
AD-777313/8

PROCESS

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs
CA-R-170 AD/A-006900/5SL
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 549 NSW process structure: NSWSTRUC version 2 NIC25009

PROCESS/PROCESS

- 31 Data Reconfiguration Service - an experiment in adaptable, PROCESS/PROCESS communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, PROCESS/PROCESS communication AD-735078 RC-P-4673
- 236 Data Reconfiguration Service - an experiment in adaptable, PROCESS/PROCESS communication RC-R-860-ARPA AD-737318

PROCESSES

- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

PROCESSING

- 22 Advanced projects in data processing
- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs
CA-R-170 AD/A-006900/5SL
- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 370 Evolution of message processing techniques in the ARPA network

PROCESSOR, PROCESSORS

- 244 Interface Message Processor for the ARPA computer network NIC04565
- 261 Initial design for Interface Message Processors for the ARPA computer network BBN-R-1763 AD-682905 NIC04157
- 262 Interface Message Processor program BBN-TIR-89 AD-A012811
- 263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL
- 264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST
- 265 Interface Message Processor program BBN-TIR-89 AD-781446/8
- 266 Interface Message Processor program BBN-TIR-89 AD-777750/1GA
- 267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA
- 268 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV-74 AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-759433
- 271 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 274 Interface Message Processors for the ARPA computer network BBN-QTR-02-F2 BBN-R-3106 AD-A013370
- 275 Interface Message Processors for the ARPA computer network BBN-QTR-01-F2 BBN-R-3063
- 276 Interface Message Processors for the ARPA computer network BBN-QTR-08-F BBN-R-2988 AD-A008842/7SL
- 277 Interface Message Processors for the ARPA computer network BBN-QTR-07-F BBN-R-2913 AD/A-000556/1SL

150 - Index

- 278 Interface Message Processors for the ARPA computer network BBN-QTR-06-F BBN-R-2852 AD-784951/6GA
- 279 Interface Message Processors for the ARPA computer network BBN-QTR-05-F BBN-R-2816 AD/A-002700/3SL
- 280 Interface Message Processors for the ARPA computer network BBN-QTR-04-F BBN-R-2717 AD-773419
- 281 Interface Message Processors for the ARPA computer network BBN-QTR-03-F BBN-R-2667 AD-768417
- 282 Interface Message Processors for the ARPA computer network BBN-QTR-02-F BBN-R-2580 AD-763734
- 283 Interface Message Processors for the ARPA computer network BBN-QTR-01-F BBN-R-2541 AD-760023
- 284 Interface Message Processors for the ARPA computer network BBN-QTR-16-D BBN-R-2499 AD-754441
- 285 Interface Message Processors for the ARPA computer network BBN-QTR-15-D BBN-R-2468 AD-750772
- 286 Interface Message Processors for the ARPA computer network BBN-QTR-14-D BBN-R-2396 NIC11685 AD-745766
- 287 Interface Message Processors for the ARPA computer network BBN-QTR-13-D BBN-R-2353 NIC08882 AD-740799
- 288 Interface Message Processors for the ARPA computer network BBN-QTR-12-D BBN-R-2309 NIC09193 AD-736213
- 289 Interface Message Processors for the ARPA computer network BBN-QTR-11-D BBN-R-2270 NIC09186 AD-731687
- 290 Interface Message Processors for the ARPA computer network BBN-QTR-10-D BBN-R-2175 NIC09185 AD-727622
- 291 Interface Message Processors for the ARPA computer network BBN-QTR-09-D BBN-R-2123 NIC06753 AD-722367
- 292 Interface Message Processors for the ARPA computer network BBN-QTR-08-D BBN-R-2103 AD-717729 NIC05749
- 293 Interface Message Processors for the ARPA computer network BBN-QTR-07-D BBN-R-2059 NIC06019 AD-714234
- 294 Interface Message Processors for the ARPA computer network BBN-QTR-06-D BBN-R-2003 AD-709621
- 295 Interface Message Processors for the ARPA computer network BBN-QTR-05-D BBN-R-1966 AD-705118
- 296 Interface Message Processors for the ARPA computer network BBN-QTR-04-D BBN-R-1928 AD-699946 NIC04357
- 297 Interface Message Processors for the ARPA computer network BBN-QTR-03-D BBN-R-1890 AD-696122 NIC06442
- 298 Interface Message Processors for the ARPA computer network BBN-QTR-02-D BBN-R-1837 AD-691229
- 299 Interface Message Processors for the ARPA computer network BBN-R-1783 AD-686811 NIC03772 BBN-QTR-01-D

- 420 Proposed protocol for connecting HOST computers to ARPA-like networks via directly connected front-end processors RFC647 NIC31117
- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002
- 453 Terminal Interface Message Processor: specifications for the inter connection of Terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639
- 496 Design of a secure communications processor AD-761804 MC-MTR-2439-VOL-1
- 503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/2SL
- 504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST
- 505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3
- 506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5
- 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
- 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798
- 509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

PROCUREMENT

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

152 - Index

PROFERRED

401 Regarding proferred official ICP RFC143 NIC06728

PROGRAM, PROGRAMMING, PROGRAMS

80 ALOHA system multiplexer program description UH-B71-3 AD-728246
AFOSR-TR-71-2195

120 Message exchange for computer programs and terminals AD-748986 RC-R-
694-ARPA

262 Interface Message Processor program BBN-TIR-89 AD-A012811

263 Interface Message Processor program BBN-TIR-89 AD-A008876/5SL

264 Interface Message Processor program BBN-TIR-89 AD-786133/9ST

265 Interface Message Processor program BBN-TIR-89 AD-781446/8

266 Interface Message Processor program BBN-TIR-89 AD-777750/1GA

267 Interface Message Processor program BBN-TIR-89 AD-771295/3GA

353 ALOHA system sixteen channel multiplexer program module description
UH-B72-2 AFOSR-TR-72-1311 AD-746064

391 Using NETWRK: a program providing terminal access to the ARPA comput-
er network

404 Network Control Center program BBN-TIR-90 AD-786134/7ST

405 Network Control Center program BBN-TIR-90 AD-777752/7

406 Network Control Center program AD-771289/6 BBN-TIR-90

407 Network Control Center program BBN-TIR-90 COM-74-50998/5WC

441 Survey of network control programs in the ARPA computer network MC-
MTR-6722

497 Network simulation and display program

503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/
2SL

504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/
4ST

505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3

506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5

521 MCROSS - a multi-computer programming system

532 Research program in the field of computer technology ISI-SR-74-2 AD-
784135/6GA

554 CASSET - a TENEX utility program for the GE TERMINET UCL-INDRA-
NOTE-356

558 Network Control Program NCP

PROGRAMMER, PROGRAMMERS

66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for infor-
mation retrieval MAC-TM-53 AD-786754/2GA

102 Programmers guide to the exchange

387 System programmer's workshop announcements RFC222 NIC07621

388 System programmer's workshop announcements RFC207 NIC07178

389 System programmer's workshop announcements RFC212 NIC07192

390 System programmer's workshop announcements RFC234 NIC07651

PROJECT, PROJECTS

- 22 Advanced projects in data processing
- 63 Information network example: the Advanced Research Projects Agency network
- 153 DATACOMPUTER project AD-A008877/3SL
- 154 DATACOMPUTER project AD/A-002683/4SL
- 155 DATACOMPUTER project AD-787677/4ST
- 156 DATACOMPUTER project AD-757686
- 157 DATACOMPUTER project AD-770881/1GA
- 158 DATACOMPUTER project AD-757181
- 250 Biocybernetics project AD-A008209
- 419 Early project MAC ARPA network experiments

PROJECT-ORIENTED

- 528 Project-oriented collaboration via a computer network NBS-6502121 COM-74-50438/2

PROJECTIONS

- 459 ARPA network: costs and projections IEEE-71-C41-C

PROPERTIES

- 203 Network properties of the ARPA computer network

PROPOSAL

- 146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631
- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019
- 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639

PROPOSED

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL
- 35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715
- 106 Proposed experiment with a message switching protocol NIC09926 RFC333
- 115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC167 NIC14741
- 416 TELNET protocol - a proposed document RFC158 NIC06768
- 420 Proposed protocol for connecting HOST computers to ARPA-like networks via directly connected front-end processors RFC647 NIC31117
- 451 Proposed experiment in packet broadcast satellite communications BBN-R-2591

154 - Index

PROSPECTS

- 444 Resource sharing networks - problems and prospects from a user's viewpoint

PROTOCOL, PROTOCOLS

- 36 ARPA network current network protocols NIC07104
- 72 Another look at Data and File Transfer Protocols RFC310 NIC09261
- 74 Data Transfer Protocol RFC264 NIC07812
- 75 File Transfer Protocol RFC354 NIC10596
- 76 File Transfer Protocol RFC265 NIC07813
- 81 Another ALOHA satellite protocol ASS-NOTE-32 NIC13147
- 101 NETRJT - remote job service protocols for TIPS RFC283 NIC08165
- 106 Proposed experiment with a message switching protocol NIC09926 RFC333
- 107 Remote Job Entry protocol NIC12112 RFC407
- 115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741
- 121 HOST-HOST communication protocol in the ARPA network
- 122 Assessment of ARPANET protocols RFC635 NIC30489
- 144 Function oriented protocols for the ARPA computer network
- 145 HOST-HOST protocol document number 1 NIC05143
- 151 Current network protocols NIC08246
- 169 High level protocols
- 171 ARPA original protocols
- 254 HOST/HOST protocol for the ARPA network NIC07147
- 312 Simplified NCP protocol NIC04762 RFC060
- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network
- 363 HOST-HOST protocol design considerations INWG-NOTE-16 NIC13879
- 364 HOST/HOST protocol for the ARPA network NIC08246 AD-757680
- 367 TELNET protocol specification RFC495 NIC15371
- 392 Graphics protocol - level 0 only RFC292 NIC08302
- 398 Message transmission protocol RFC680 NIC32116
- 402 File Transfer Protocol RFC542 NIC17759
- 409 NIC/ARPANET protocol analysis system E NBS-TN-799
- 415 Discussion of TELNET protocol RFC139 NIC06717
- 416 TELNET protocol - a proposed document RFC158 NIC06768
- 420 Proposed protocol for connecting HOST computers to ARPA-like networks via directly connected front-end processors RFC647 NIC31117
- 436 Ad-hoc TELNET protocol NIC09348 RFC318
- 437 ARPA network current network protocols NIC07104-REV-1 AD/A-203890/1SL
- 438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA
- 439 National software works protocols, version 2 NIC24856
- 440 Official Initial Connection Protocol ICP NIC07101

- 483 Note on reconnection protocol RFC671 NIC31439
- 524 Reconnection protocol RFC426 NIC13011
- 437 ARPA network current network protocols NIC07104-REV-1 AD/A-003890/15L
- 553 Procedure Call Protocol version 2 Some thoughts on system design to facilitate resource sharing NIC24855

PROTOTYPICAL

- 408 Prototypical implementation of the NCP RFC055 NIC04757

PUBLIC

- 546 Public packet switched networks

PURPOSE

- 184 ARPA computer network and general purpose computer networks
- 185 General purpose networks of computers

QUOTATION

- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002

RACE

- 491 Solution to the race condition in the ICP RFC161 NIC06772

RADIO

- 114 Functions and structure of a packet radio station
- 350 Some advances in radio communications for computers NIC13643 IEEE-73-CHO-716-IC
- 351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985

RAND

- 186 ARPA network series: I Introduction to the ARPA network at RAND and to the RAND video graphics system RC-R-664-ARPA AD-733049

RANDOM

- 229 On splitting random accessed broadcast communication channels
- 342 On stability of packet switching in a random multi-access broadcast channel
- 357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
- 358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8
- 452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865
- 530 Simulation of a random access discrete address communication system UH-B70-1

RATIONALE

- 37 ARPA network rationale: a 5-year re-evaluation PB-222080-SET
- 461 ARPA network rationale: a 5-year reevaluation PB-222080-SET
- 475 Network rationale - a 5-year reevaluation IEEE-73-CHO-716-IC

156 - Index

RC-P-4673

- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673

RC-P-4833

- 235 Aspects of large scale resources sharing through networks of computers AD-748927 RC-P-4833

RC-P-4856

- 238 Large scale sharing of computer resources AD-750283 RC-P-4856

RC-P-4972

- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6

RC-R-664-ARPA

- 186 ARPA network series: I Introduction to the ARPA network at RAND and to the RAND video graphics system RC-R-664-ARPA AD-733049

RC-R-694-ARPA

- 120 Message exchange for computer programs and terminals AD-748986 RC-R-694-ARPA

RC-R-860-ARPA

- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318

RC-R-887-ARPA

- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751

RC-RM-3097-PR

- 53 History, alternative approaches, and comparisons RC-RM-3097-PR AD-444838

RC-RM-3103-PR

- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834

RC-RM-3420-PR

- 49 Introduction to communications networks RC-RM-3420-PR AD-444830

RC-RM-3578-PR

- 51 Determination of path-lengths in a distributed network RC-RM-3578-PR AD-444833

RC-RM-3638-PR

- 52 Priority, precedence, and overload RC-RM-3638-PR AD-444840

RC-RM-3762-PR

- 54 Mini cost microwave RC-RM-3762-PR AD-444835

RC-RM-3763-PR

- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

RC-RM-3764-PR

- 56 Multiplexing station RC-RM-3764-PR AD-444831

RC-RM-3765-PR

- 57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-444839

RC-RM-3766-PR

- 58 Cost analysis RC-RM-3766-PR AD-444836

RC-RM-3767-PR

- 59 Summary overview RC-RM-3767-PR NIC06866 AD-444837

RC-RM-4781-PR

- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271

RC-RM-4782-PR

- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301 V

RECENT

- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA

RECONFIGURATION

- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673
- 33 Data Reconfiguration Service - an implementation specification RFC166 NIC06780
- 34 Data Reconfiguration Service - compiler/interpreter RFC194 NIC07139
- 35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715
- 124 Experimental service for adaptable data reconfiguration
- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751

RECONNECTION

- 483 Note on reconnection protocol RFC671 NIC31439
- 524 Reconnection protocol RFC426 NIC13011

158 - Index

RECONSIDERED

- 78 Socket conventions reconsidered RFC167 NIC06784

REEVALUATION, RE-EVALUATION

- 37 ARPA network rationale: a 5-year re-evaluation PB-222080-SET
461 ARPA network rationale: a 5-year reevaluation PB-222080-SET
475 Network rationale - a 5-year reevaluation IEEE-73-CHO-716-IC

REGISTERS

- 108 ARPA registers a big net gain, ARPANET

REGULATORY

- 544 Regulatory policy and future data transmission services - packet switching data carriers

RELATED

- 178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089
228 Proceedings of the annual computer related information systems symposium 4th held at the United States Air Force Academy on 29-30 Jan 1974 AD-777313/8

RELEVANT

- 320 Views on issues relevant to data sharing on computer networks NIC06742

RELIABILITY

- 117 TIP TENEX reliability improvements RFC636 NIC30490
149 Reliability issues in the ARPA network IEEE-73-CHO-828-4C
181 Network analysis and the reliability assessment of systems AFWL-TR-74-138 AD-781045/OGA
204 Network reliability
210 Reliability considerations in the growth of computer communication networks IEEE-73-CHO-805-2NTC
538 Network reliability analysis - I
539 Reliability in computer communications networks

RELIABLE

- 209 Providing reliable networks with unreliable components IEEE-73-CHO-828-4C
311 Achieving reliable communication RFC203 NIC07168
413 Pluribus - a reliable multiprocessor

REMOTE

- 1 Serving remote users on the ARPANET NIC10606 RFC364
101 NETRJT - remote job service protocols for TIPS RFC283 NIC08165
107 Remote Job Entry protocol NIC12112 RFC407
237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751

- 240 Using network Remote Job Entry RFC307 NIC09258
- 447 Remote Job Entry Mini HOST BBN-TIR-93
- 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

REPAIR

- 47 New applications for ARPANET developed information processing technology Volume III BRIAREUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL

REPORT

- 6 ALOHA system annual report 1969 AFOSR-70-0416-TR
- 35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715
- 137 Computer networking report bibliography DDC-TAS-75-9 AD-A010200/4SL
- 366 Status report on the Terminal IMP NIC19720
- 448 Report to the Computer Systems and Electronics Division of the Department of Industry, London on the ARPA computer network AD/A-002346/5SL
- 485 Survey report on computer networks WIS-CS-177-73 PB-231876/4GA

REQUEST, REQUESTS

- 317 Guide to Network Working Group Requests For Comments NIC05819
- 449 Request For Quotation Interface Message Processors for the ARPA computer network DAHC-15-69-Q0002

REQUIREMENTS

- 478 Multi-access computing in the 70s: an overview of research and requirements AD-751612

RESEARCH

- 63 Information network example: the Advanced Research Projects Agency network
- 71 Interactive systems research AD-776236/2
- 112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30
- 130 Networking and graphics research AD-775145/6GA
- 211 Research in store-and-forward computer networks AD-757090
- 212 Research in store-and-forward computer networks AD-748338
- 213 Research in store-and-forward computer networks AD-737403
- 214 Research in store-and-forward computer networks AD-728442
- 215 Research in store-and-forward computer networks AD-719416
- 233 Research in on-line computation UCSB-CSL-22 AD-748841
- 234 Research in on-line computation AD-735300 AFCRL-71-0530
- 255 ILLIAC IV applications research UIUC-CAC-DN-74-119 AD-786172/7ST
- 256 ILLIAC IV applications research UIUC-CAC-93 AD-772511/2GA
- 257 ILLIAC IV applications research UIUC-CAC-74 AD-763290
- 258 ILLIAC IV applications research UIUC-CAC-48 AD-758011

160 - Index

- 259 ILLIAC IV applications research AD-740766
- 329 Computer network research AD-A008422/8SL
- 330 Computer network research AD/A-004167/3SL
- 331 Computer network research AD/A-000266/7SL UCLA-ENG-7467
- 332 Computer network research AD-769706/3GA
- 333 Computer network research AD-756708
- 334 Computer network research AD-746509
- 335 Computer network research AD-739705
- 336 Computer network research AD-727989
- 337 Computer network research AD-711342 NIC01380
- 338 Computer network research AD-705149
- 478 Multi-access computing in the 70s: an overview of research and requirements AD-751612
- 495 Natural communication with computers Volume III Distributed computation research at BBN AD/A-003479/3SL
- 532 Research program in the field of computer technology ISI-SR-74-2 AD-784135/6GA

RESERVATION

- 150 System for broadcast communication: reservation ALOHA NIC12744 ASS-NOTE-28
- 467 Dynamic allocation of satellite capacity through packet reservation
- 468 Dynamic allocation of satellite capacity through packet reservation
- 470 Interleaved satellite reservation system ASS-NOTE-31 NIC13150

RESOURCE, RESOURCES

- 28 Automated resource sharing on the ARPANET
- 68 Evolution of user services - the network resource manager IEEE-CHO-835-9C
- 69 Resource location and acquisition service for the ARPA network
- 86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384
- 138 Computer networks: the heralds of resource sharing
- 152 Data traffic measurements guide improvements to resource sharing network
- 235 Aspects of large scale resources sharing through networks of computers AD-748927 RC-P-4833
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- 238 Large scale sharing of computer resources AD-750283 RC-P-4856
- 303 Flow control in a resource sharing computer network IEEE-CAT-71-C59-C NIC11750
- 304 Flow control in a resource sharing computer network
- 306 Resource sharing computer communication networks AD-749378 BBN-R-2459

- 307 Resource sharing computer communications networks
- 321 UCLA Campus Computing Network an ARPANET resource
- 322 Modeling considerations in computer communication resource control AD-A008238/8SL
- 346 Resource allocation in computer systems and computer communications networks
- 444 Resource sharing networks - problems and prospects from a user's viewpoint
- 464 Computer network development to achieve resource sharing NIC04564
- 477 Resource sharing computer network
- 484 Resource sharing with ARPANET LEE-74-CHO-902-7CSCB
- 522 On the design of a resource sharing executive for the ARPANET BBN-R-2522
- 525 Resource sharing executive for the ARPANET AD-758162 BBN-R-2522
- 531 Resource sharing in the ARPA network
- 542 System for interprocess communication in a resource sharing computer network
- 543 System for interprocess communication in a resource sharing computer network RFC062 NIC04962
- 545 Some thoughts on system design to facilitate resource sharing RFC592 NIC20391
- 553 Procedure Call Protocol Version 2 Some thoughts on system design to facilitate resource sharing NIC24855

RESPONSE

- 216 Response time capacity analysis of a computer communications network

RESULTS

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042
- 327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27

RESYNCHRONIZATION

- 115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741

RETRANSMISSION, RE-TRANSMISSION

- 83 Effects of retransmission delay on the degradation of an ALOHA channel ASS-NOTE-22 NIC12166
- 476 Optimal re-transmission delay for ALOHA system ASS-NOTE-09 NIC11291

RETRIEVAL

- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA
- 517 Data communications for an experimental information retrieval network ESL-TM-515 PB-237975/8SL

162 - Index

- 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

REVIEW

- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042
88 Review of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804
443 Computer networking technology - a state-of-the-art review

RFC

- 446 RFC index

RFC055

- 408 Prototypical implementation of the NCP RFC055 NIC04757

RFC060

- 312 Simplified NCP protocol NIC04762 RFC060

RFC062

- 543 System for interprocess communication in a resource sharing computer network RFC062 NIC04962

RFC086

- 146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631

RFC089

- 383 Some historic moments in networking RFC089 NIC05697

RFC094

- 239 Some thoughts on network graphics RFC094 NIC05725

RFC105

- 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775

RFC120

- 347 Network PL1 subprograms NIC05832 RFC120

RFC136

- 305 HOST accounting and administrative procedures RFC136 NIC06713

RFC138

- 35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715

RFC139

- 415 Discussion of TELNET protocol RFC139 NIC06717

RFC143

- 401 Regarding preferred official ICP RFC143 NIC06728

RFC158

- 416 TELNET protocol - a proposed document RFC158 NIC06768

- RFC161
491 Solution to the race condition in the ICP RFC161 NIC06772
- RFC166
33 Data Reconfiguration Service - an implementation specification RFC166
NIC06780
- RFC167
78 Socket conventions reconsidered RFC167 NIC06784
- RFC176
73 Comments on byte size for connections RFC176 NIC07100
- RFC189
100 Interim NETRJS specifications RFC189 NIC07133
- RFC194
34 Data Reconfiguration Service - compiler/interpreter RFC194 NIC07139
- RFC203
311 Achieving reliable communication RI C203 NIC07168
- RFC207
388 System programmer's workshop announcements RFC207 NIC07178
- RFC212
389 System programmer's workshop announcements RFC212 NIC07192
- RFC222
387 System programmer's workshop announcements RFC222 NIC07621
- RFC234
300 System programmer's workshop announcements RFC234 NIC07651
- RFC254
77 Scenarios for using ARPANET computers RFC254 NIC07695
- RFC264
74 Data Transfer Protocol RFC264 NIC07812
- RFC265
76 File Transfer Protocol RFC265 NIC07813
- RFC283
101 NETRJT - remote job service protocols for TIPS RFC283 NIC08165
- RFC290
395 Computer networks and data sharing: a bibliography RFC290 NIC08300
- RFC292
392 Graphics protocol - level 0 only RFC292 NIC08302
- RFC302
111 Exercising the ARPANET NIC09074 RFC302
- RFC307
240 Using network Remote Job Entry RFC307 NIC09258

164 - Index

RFC308

486 ARPANET HOST availability data RFC308 NIC09259

RFC310

72 Another look at Data and File Transfer Protocols RFC310 NIC09261

RFC318

436 Ad-hoc TELNET protocol NIC09348 RFC318

RFC323

125 Formation of Network Measurement Group RFC323 NIC09630

RFC333

106 Proposed experiment with a message switching protocol NIC09926 RFC333

RFC354

75 File Transfer Protocol RFC354 NIC10596

RFC357

165 Echoing strategy for satellite links RFC357 NIC10599

RFC364

1 Serving remote users on the ARPANET NIC10606 RFC364

RFC369

424 Evaluation of ARPANET services January through March, 1972 RFC369
NIC11016

RFC407

107 Remote Job Entry protocol NIC12112 RFC407

RFC415

397 TENEX bandwidth RFC415 NIC12407

RFC426

524 Reconnection protocol RFC426 NIC13011

RFC435

140 TELNET issues RFC435 NIC13675

RFC438

519 FTP server-server interaction RFC438 NIC13770

RFC442

123 Current flow control scheme for IMPSYS RFC442 NIC13774

RFC467

115 Proposed change to HOST-HOST protocol: resynchronization of connection
status RFC467 NIC14741

RFC478

103 FTP server-server interaction - II RFC478 NIC14947

RFC495

367 TELNET protocol specification RFC495 NIC15371

RFC542

402 File Transfer Protocol RFC542 NIC17759

RFC546

526 TENEX load averages for July 1973 RFC546 NIC17792

RFC592

545 Some thoughts on system design to facilitate resource sharing RFC592
NIC20391

RFC635

122 Assessment of ARPANET protocols RFC635 NIC30489

RFC636

117 TIP TENEX reliability improvements RFC636 NIC30490

RFC644

523 On the problem of signature authentication for network mail RFC644
NIC30874

RFC647

420 Proposed protocol for connecting HOST computers to ARPA-like networks
via directly connected front-end processors RFC647 NIC31117

RFC671

483 Note on reconnection protocol RFC671 NIC31439

RFC672

482 Multi-site data collection facility RFC672 NIC31440

RFC677

301 Maintenance of duplicate data-bases RFC677 NIC31507

RFC680

398 Message transmission protocol RFC680 NIC32116

ROUTES

527 Data communications - issues and more issues: new routes for data

ROUTING

50 Digital simulation of hot-potato routing in a broad-band distributed com-
munications network RC-RM-3103-PR AD-444834

92 Adaptive routing techniques for distributed communications systems

93 Adaptive routing techniques for distributed communication systems RC-
RM-4781-PR AD-63027194 Computer simulation of adaptive routing techniques for distributed com-
munications systems RC-RM-4782-PR AD-630301

131 Routing strategies for computer network design

217 Routing in computer networks NIC09046

222 Adaptive routing techniques for message switching computer communica-
tion networks UCLA-ENG-7252 AD-744673 NIC11250223 Adaptive routing techniques for store-and-forward computer communica-
tion networks IEEE-71-C28-COM

166 - Index

- 227 Deterministic and adaptive routing policies in packet switched computer networks
- 362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL
- 368 Adapting routing algorithms for distributed computer networks BBN-R-2831 AD-781467/6GA
- 369 Design considerations for routing algorithms in computer networks

SATELLITE, SATELLITES

- 9 ARPANET Satellite System ASS-NOTE-07 NIC11289
- 10 ARPANET Satellite System ASS-NOTE-06 NIC11288
- 11 ARPANET Satellite System ASS-NOTE-05 NIC11287
- 12 ARPANET Satellite System ASS-NOTE-04 NIC11286
- 13 ARPANET Satellite System ASS-NOTE-02 NIC11284
- 14 ARPANET Satellite System ASS-NOTE-01 NIC11283
- 19 Packet switching with satellites
- 20 Packet switching with satellites UH-B73-2 AD-761544 AFOSR-TR-73-0984
- 81 Another ALOHA satellite protocol ASS-NOTE-32 NIC13147
- 82 Atlantic satellite packet broadcast and gateway experiments BBN-R-3056
- 118 Satellite IMP for the ARPA network
- 165 Echoing strategy for satellite links RFC357 NIC10599
- 224 ARPANET Satellite System ASS-NOTE-03 NIC11285
- 328 Approximations in the infinite population model for the ARPANET Satellite System ASS-NOTE-17 NIC11862
- 343 Packet switching in a slotted satellite channel
- 451 Proposed experiment in packet broadcast satellite communications BBN-R-2891
- 467 Dynamic allocation of satellite capacity through packet reservation
- 468 Dynamic allocation of satellite capacity through packet reservation
- 470 Interleaved satellite reservation system ASS-NOTE-31 NIC13150

SCALE

- 177 ARPA network will represent integration on a large scale
- 201 Design of large scale networks
- 207 Practical impact of the recent computer advances on the analysis and design of large scale networks AD-767403/9GA
- 208 Practical impact of recent computer advances on the analysis and design of large scale networks AD-777738/6GA
- 235 Aspects of large scale resources sharing through networks of computers AD-748927 RC-P-4833
- 238 Large scale sharing of computer resources AD-750283 RC-P-4856

SCENARIOS

- 77 Scenarios for using ARPANET computers RFC254 NIC07695
- 382 Scenarios for using the ARPANET at the International Conference on Computer Communication NIC11863

SCHEDULER

187 Utah TENEX scheduler

SCHEME

123 Current flow control scheme for IMPSYS RFC442 NIC13774

SDC-TM-4891/000/000

352 ARPA network implementation under ADEPT SDC-TM-4891/000/000
AD-775220/7GA

SECOND

26 Pacific educational computer network study: results of the second planning
and review meeting, January 9, 1974 ED095862 IR001042

SECREC

57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-
444839

SECURE

319 Proposal for the development of a secure pilot network for the World-Wide
Military Command and Control System WWMCCS Based on the ARPA
computer network technology MC-MTR-6019

496 Design of a secure communications processor AD-761804 MC-MTR-2439-
VOL-1

SECURITY

57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-
444839

230 New applications for ARPANET developed information processing technol-
ogy Volume II security in the automated procurement process; security vs
efficiency: a legal analysis CA-R-171 AD/A-006901/3SL

442 High security log-in procedure

SEISMIC

109 Seismic network systems study AD-787693/1ST BEN-R-2865

110 Study of the data collection, processing and management system for a
Worldwide Seismic Network AD-775388/2 BEN-R-2632

159 DATACOMPUTER support of seismic data activity AD-A010556

160 DATACOMPUTER support of seismic data activity AD-A010235/0SL

161 DATACOMPUTER support of seismic data activity AD/A-006932/8SL

162 DATACOMPUTER support of seismic data activity AD-787017/3SL

163 DATACOMPUTER support of seismic data activity AD/A-001560/2ST

SELECTED

127 Selected ARPA network measurement experiments

SEPARATION

133 Analysis of the separation between packets in a store-and-forward network

SERIES

186 ARPA network series: I introduction to the ARPA network at RAND and to
the RAND video graphics system RC-R-664-ARPA AD-733049

SERVER-SERVER

- 103 FTP server-server interaction II RFC478 NIC14947
- 519 FTP server-server interaction RFC438 NIC13770

SERVICE, SERVICES

- 31 Data Reconfiguration Service - an experiment in adaptable, process/process communication IEEE-CAT-71-C59-C
- 32 Data Reconfiguration Service - an experiment in adaptable, process/process communication AD-735078 RC-P-4673
- 33 Data Reconfiguration Service - an implementation specification RFC166 NIC06780
- 34 Data Reconfiguration Service - compiler/interpreter RFC194 NIC07139
- 35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715
- 68 Evolution of user services - the network resource manager IEEE-CHO-835-9C
- 69 Resource location and acquisition service for the ARPA network
- 101 NETRJT - Remote job service protocols for TIPS RFC283 NIC08165
- 124 Experimental service for adaptable data reconfiguration
- 189 Coordinated information service for a discipline-oriented or mission-oriented community
- 236 Data Reconfiguration Service - an experiment in adaptable, process/process communication RC-R-860-ARPA AD-737318
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- 418 Packet switching net to begin in June - TELENET service will use SOLC
- 424 Evaluation of ARPANET services January through March, 1972 RFC 369 NIC11016
- 445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC
- 544 Regulatory policy and future data transmission services - packet switching data carriers

SERVING

- 1 Serving remote users on the ARPANET NIC10606 RFC364

SEVERAL

- 487 Several firms eye ARPA-type network

SHARED, SHARING

- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR
- 25 Automated resource sharing on the ARPANET
- 86 Annotated bibliography of the literature on resource sharing computer networks COM-73-50750/1 GPO-C13-10-384
- 89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261

- 90 TENEX, a paged time sharing system for the PDP-10
- 91 TENEX, a paged time sharing system for the PDP-10 Abstract
- 138 Computer networks: the heralds of resource sharing
- 152 Data traffic measurements guide improvements to resource sharing network
- 235 Aspects of large scale resources sharing through networks of computers
AD-748927 RC-P-4833
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA
AD-745751
- 238 Large scale sharing of computer resources AD-750283 RC-P-4856
- 303 Flow control in a resource sharing computer network IEEE-CAT-71-C59-C
NIC11750
- 304 Flow control in a resource sharing computer network
- 306 Resource sharing computer communication networks AD-749378 BBN-R-
2459
- 307 Resource sharing computer communications networks
- 316 Data sharing using interprocess communication on a computer network
- 320 Views on issues relevant to data sharing on computer networks NIC06742
- 375 Cooperative network of time shared computers: preliminary study CCA-TR-
11 NIC06458
- 379 Toward a cooperative network of time shared computers NIC04152
- 395 Computer networks and data sharing: a bibliography RFC290 NIC08300
- 444 Resource sharing networks - problems and prospects from a user's viewpoint
- 464 Computer network development to achieve resource sharing NIC04564
- 477 Resource sharing computer network
- 479 Interactive network of time sharing computers
- 480 Interface to the ARPA network for the CP/CMS time sharing system
- 484 Resource sharing with ARPANET IEEE-74-CHO-902-7CSCB
- 522 On the design of a resource sharing executive for the ARPANET BBN-R-
2522
- 525 Resource sharing executive for the ARPANET AD-758162 BBN-R-2522
- 531 Resource sharing in the ARPA network
- 542 System for interprocess communication in a resource sharing computer net-
work
- 543 System for interprocess communication in a resource sharing computer net-
work RFC062 NIC04962
- 545 Some thoughts on system design to facilitate resource sharing RFC592
NIC20391
- 553 Procedure Call Protocol version 2 Some thoughts on system design to facili-
tate resource sharing NIC24855
- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume
I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-
773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

170 - Index

SIGNATURE

- 523 On the problem of signature authentication for network mail RFC644
NIC30874

SIMPLIFIED

- 312 Simplified NCP protocol NIC04762 RFC060

SIMULATING, SIMULATION

- 50 Digital simulation of hot-potato routing in a broad-band distributed communications network RC-RM-3103-PR AD-444834
94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301
95 Simulation of interference of packets in the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR
326 Analytic and simulation methods in computer network design NIC04566
450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293
497 Network simulation and display program
530 Simulation of a random access discrete address communication system UH-B70-1
537 Avoiding simulation in simulating computer communication networks

SLOTS

- 450 Brief simulation of the dynamics of an ALOHA system with slots ASS-NOTE-11 NIC11293
452 Random ALOHA with slots - excess capacity ASS-NOTE-18 NIC11865
456 ALOHA packet system with and without slots and capture NIC11290 ASS-NOTE-08

SLOTTED

- 17 Excess capacity of a slotted ALOHA channel continued NIC13044 ASS-NOTE-30
18 Excess capacity of a slotted ALOHA channel NIC12735 ASS-NOTE-26
343 Packet switching in a slotted satellite channel
361 Dynamic analysis of slotted ALOHA with blocking ASS-NOTE-36 NIC14790
384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

SOCKET

- 78 Socket conventions reconsidered RFC167 NIC06784

SOFTWARE

- 119 Impact of networks on the software marketplace IEEE-74-CHO-883-1-AES
247 Software and logic design interaction in computer networks
431 Pluribus document 5: advanced software BBN-R-2931
432 Pluribus document 4: basic software BBN-R-3001
439 National Software Works protocols, Version 2 NIC24856

SOLC

- 418 Packet switching net to begin in June - TELENET service will use SOLC

SOLUTION

- 491 Solution to the race condition in the ICP RFC161 NIC06772

SPECIFICATION, SPECIFICATIONS

- 33 Data Reconfiguration Service - an implementation specification RFC166
NIC06780
- 55 Tentative engineering specifications and preliminary design for a high data-
rate distributed network switching node RC-RM-3763-PR AD-444832
- 100 Interim NETRJS specifications RFC189 NIC07133
- 268 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822-REV-74
AD/A-002751/6SL
- 269 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-
777714/7GA
- 270 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822-REV AD-
759433
- 271 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822 AD-753532
- 272 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822 AD-740310
- 273 Interface Message Processor: specifications for the inter connection of a
HOST and an Interface Message Processor IMP BBN-R-1822 AD-732033
- 367 TELNET protocol specification RFC495 NIC15371
- 430 Pluribus document 6: functional specifications BBN-R-3002
- 453 Terminal Interface Message Processor: specifications for the inter connection
of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 536 Specification for computer-aided and on-line group conferencing AD-
779064/5
- 552 Network specifications for Remote Job Entry and Remote Job Output retrie-
val at UCSB RFC105 NIC05775

SPLITTING

- 229 On splitting random accessed broadcast communication channels

SR-23

- 45 ARPA policy-formulation interrogation network SR-23 AD-749800

SR-24

- 44 ARPA policy-formulation interrogation network SR-24 AD-758716

SR-30

- 534 ARPA policy-formulation interrogation network SR-30 AD-767438/5GA

172 - Index

SR-34

533 ARPA policy-formulation interrogation network AD/A-002489/3SL SR-34

SRI-ARC-13041

191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3

SRI-7016

488 Study of computer network design parameters AD-784954/0GA SRI-7016

STABILITY

196 Stability problem of broadcast packet switching networks

342 On stability of packet switching in a random multi-access broadcast channel

STAGES

174 Stages in the layout of the ARPA network

STANDARD

146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631

STATE-OF-THE-ART

443 Computer networking technology - a state-of-the-art review

STATION

56 Multiplexing station RC-RM-3764-PR AD-444831

114 Functions and structure of a packet radio station

STATUS

25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL

35 Status report on proposed Data Reconfiguration Service RFC138 NIC06715

115 Proposed change to HOST-HOST protocol: resynchronization of connection status RFC467 NIC14741

308 Status and plans for the ARPANET

318 Origin, development and current status of the ARPA network IEEE-73-CHO-716-IC

366 Status report on the Terminal IMP NIC19720

462 ARPANET - current status - future plans

STEADY-STATE

384 Steady-state analysis of a slotted and controlled ALOHA system with blocking ASS-NOTE-16 NIC11624

STORAGE

126 Storage considerations in store-and-forward message switching

396 Storage organization and management in TENEX

STORE-AND-FORWARD

128 Storage considerations in store-and-forward message switching

- 133 Analysis of the separation between packets in a store-and-forward network
- 198 Analysis and optimization of store-and-forward computer networks AD-707438 NIC04623
- 211 Research in store-and-forward computer networks AD-757090
- 212 Research in store-and-forward computer networks AD-748338
- 213 Research in store-and-forward computer networks AD-737403
- 214 Research in store-and-forward computer networks AD-728442
- 215 Research in store-and-forward computer networks AD-719416
- 221 Flow deviation method: an approach to store-and-forward communication network design - applications to the design of the ARPA computer network NIC13030
- 223 Adaptive routing techniques for store-and-forward computer communication networks IEEE-71-C28-COM
- 226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC15552

STRATEGIES, STRATEGY

- 131 Routing strategies for computer network design
- 165 Echoing strategy for satellite links RFC357 NIC10599
- 253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-IC
- 385 Strategies for interprocess communication in a distributed computing system
- 386 Strategies for operating systems in computer networks

STREAM

- 146 Proposal for a network standard format for a data stream to control graphics display RFC086 NIC05631

STRUCTURE

- 114 Functions and structure of a packet radio station
- 170 Comparison of the network structure for packet switching: ARPA V NPL
- 549 NSW process structure; NSWSTRUC version 2 NIC25009

STUDY

- 23 ARPANET management study: new application areas CA-R-160 AD-787039/7GA
- 24 ARPANET management study: new application areas CA-R-148 AD-783508/5GA
- 26 Pacific educational computer network study: results of the second planning and review meeting, January 9, 1974 ED095862 IR001042
- 46 ARPANET management study CA-R-123 AD-777747/7GA
- 109 Seismic network systems study AD-787693/1ST BBN-R-2865
- 110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632
- 253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-IC
- 309 Study of the ARPA network design and performance BBN-R-2161 AD-730725 NIC11748

174 - Index

- 375 Cooperative network of time shared computers: preliminary study CCA-TR-11 NIC06458
- 488 Study of computer network design parameters AD-784954/0GA SRI-7016
- 489 Case study in networking
- 490 Experience in networking - a case study

SUB-NETWORK

- 166 ARPA network: the communications sub-network

SUBPROGRAMS

- 347 Network PL 1 subprograms NIC05832 RFC120

SUMMARY

- 59 Summary overview RC-RM-3767-PR NIC06866 AD-444837

SUPPORT

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA
- 30 FORUM: a computer based system to support interaction among people
- 159 DATACOMPUTER support of seismic data activity AD-A010556
- 160 DATACOMPUTER support of seismic data activity AD-A010235/0SL
- 161 DATACOMPUTER support of seismic data activity AD/A-006932/8SL
- 162 DATACOMPUTER support of seismic data activity AD-787017/3SL
- 163 DATACOMPUTER support of seismic data activity AD/A-001560/2ST
- 300 Interprocess communication to support distributed computing

SURVEY

- 141 Network management survey
- 142 Network management survey NBS-TN-805 COM-74-50173/5GA EDJ92162 IR000723
- 422 Survey of computer networks MC-MTP-357 AD-762068
- 441 Survey of network control programs in the ARPA computer network MC-MTR-6722
- 485 Survey report on computer networks WIS-CS-177-73 PB-231876/4GA

SURVIVABLE

- 197 Analysis and design of survivable networks

SWITCH, SWITCHED, SWITCHING

- 19 Packet switching with satellites
- 20 Packet switching with satellites UH-B73-2 AD-761544 AFOSR-TR-73-0984
- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832
- 65 Flow control in packet switching networks INWG-NOTE-63
- 106 Proposed experiment with a message switching protocol NIC09926 RFC333
- 113 Packet switching
- 128 Storage considerations in store-and-forward message switching
- 147 Issues in packet switching network design
- 170 Comparison of the network structure for packet switching: ARPA v NPL

- 182 Economics of packet switching
- 196 Stability problem of broadcast packet switching networks
- 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749678 NIC1:250
- 227 Deterministic and adaptive routing policies in packet switched computer networks
- 302 ARPA network packet switching technology
- 342 On stability of packet switching in a random multi-access broadcast channel
- 343 Packet switching in a slotted satellite channel
- 362 Improvements in routing for packet switched networks NRL-7846 AD/A-006652/2SL
- 410 Influence of control procedures on the performance of packet switched networks IEEE-74-CHO-902-7CSCB
- 412 Evolution of a high performance modular packet switch
- 418 Packet switching net to begin in June - TELENET service will use SOLC
- 454 Operating system design considerations for the packet switching environment
- 544 Regulatory policy and future data transmission services - packet switching data carriers
- 546 Public packet switched networks

SYMPOSIUM

- 228 Proceedings of the annual computer related information systems symposium 4th held at the United States Air Force Academy on 29-30 Jan 1974 AD-777313/8

TALK

- 139 Computer talk: ARPANET

TAMPER-FREE

- 57 Security, secrecy and tamper-free considerations RC-RM-3765-PR AD-444839

TASKS

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks

TEAM

- 190 Network Information Center and computer augmented team interaction AD-737131
- 191 On-line team environment Network Information Center and computer augmented team interaction SRI-ARC-13041 AD-766005/3

TECHNICAL

- 354 ARPA network technical aspects in nontechnical language
- 445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC

TECHNIQUES, TECHNOLOGY

- 25 New applications for ARPANET developed information processing technology Volume I: on the automation of the procurement process: present status, feasibility for improvements, proposed next steps and pay-offs CA-R-170 AD/A-006900/5SL
- 47 New applications for ARPANET developed information processing technology Volume III BRIARFUS - computer netting for design, fabrication and repair of electronic equipment CA-R-165 AD/A-006902/1SL
- 88 Review of computer networking technology COM-74-50136/2 NBS-TN-804 GPO-C13-46-804
- 92 Adaptive routing techniques for distributed communications systems
- 93 Adaptive routing techniques for distributed communication systems RC-RM-4781-PR AD-630271
- 94 Computer simulation of adaptive routing techniques for distributed communications systems RC-RM-4782-PR AD-630301
- 134 Computer network measurements: techniques and experiments UCLA-CSMAG-ENG-7165 AD-739344 NIC10168
- 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749678 NIC11250
- 223 Adaptive routing techniques for store-and-forward computer communication networks IEEE-71-C28-COM
- 230 New applications for ARPANET developed information processing technology Volume II Security in the automated procurement process; security vs efficiency: a legal analysis CA-R-171 AD/A-006901/3SL
- 302 ARPA network packet switching technology
- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019
- 360 Techniques, facilities, and protocols for dialogue and interactive cooperation through the ARPA network
- 370 Evolution of message processing techniques in the ARPA network
- 443 Computer networking technology - a state-of-the-art review
- 532 Research program in the field of computer technology ISI-SR-74 2 AD-784135/6GA

TELENET

- 245 Networks and life-sciences: the ARPA network and TELENET
- 418 Packet switching net to begin in June - TELENET service will use SOLC

TELETYPE

- 313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332

TELNET

- 140 TELNET issues RFC435 NIC13675
- 367 TELNET protocol specification RFC495 NIC15371

- 415 Discussion of TELNET protocol RFC139 NIC06717
- 416 TELNET protocol - a proposed document RFC158 NIC06768
- 436 Ad-hoc TELNET protocol NIC09348 RFC318

TENEX

- 89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261
- 90 TENEX, a paged time sharing system for the PDP-10
- 91 TENEX, a paged time sharing system for the PDP-10 Abstract
- 116 TENEX User's Guide
- 117 TIP TENEX reliability improvements RFC636 NIC30490
- 178 Distributed computation and TENEX related activities AD-A011131 BBN-R-3089
- 187 Utah TENEX scheduler
- 396 Storage organization and management in TENEX
- 397 TENEX bandwidth RFC415 NIC12407
- 498 TENEX Executive language for users
- 499 TENEX Executive manual
- 500 TENEX JSYS manual - a manual of TENEX monitor calls
- 501 TENEX Monitor manual
- 502 TENEX User's Guide
- 518 ARPANET TENEX - a step toward a network operating system
- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes
- 526 TENEX load averages for July 1973 RFC546 NIC17792
- 554 CASSET - a TENEX utility program for the GE Terminet UCL-INDRA-NOTE-356

TENEX-RELATED

- 179 Distributed computation and TENEX-related activities AD/A-006735/SSL BBN-R-3012

TENTATIVE

- 55 Tentative engineering specifications and preliminary design for a high data-rate distributed network switching node RC-RM-3763-PR AD-444832

TERMINAL, TERMINALS (SEE ALSO TIP)

- 97 ARPA Network Terminal System: a new approach to network access IEEE-73-CHO-828-4C
- 98 ARPA Network Terminal System user's handbook
- 120 Message exchange for computer programs and terminals AD-748986 RC-R-694-ARPA
- 167 The Terminal IMP TIP
- 253 Architecture strategies for terminal oriented computer networks: a case study IEEE-73-CHO-716-IC
- 310 Terminal access to the ARPA computer network NIC11749
- 366 Status report on the Terminal IMP NIC19720
- 391 Using NETWRK: a program providing terminal access to the ARPA computer network

178 - Index

- 393 Terminal access to the ARPA network: experience and improvements AD-757817
- 394 Terminal access to the ARPA network: experience and improvements IEEE-73-CHO-716-IC
- 414 Terminal IMP for the ARPA computer network NIC08218
- 421 Participating demonstrations of a multi-purpose network linking dissimilar computers and terminals ICC72-CHO-690-8C NSF-GJ-33239
- 453 Terminal Interface Message Processor: specifications for the inter connection of terminals and the Terminal IMP BBN-R-2277 AD-776995/3GH
- 503 Terminal Interface Message Processor program BBN-TIR-91 AD/A-003470/2SL
- 504 Terminal Interface Message Processor program BBN-TIR-91 AD-786135/4ST
- 505 Terminal Interface Message Processor program BBN-TIR-91 AD-781459/3
- 506 Terminal Interface Message Processor program BBN-TIR-91 AD-771713/5
- 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/0SL
- 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798
- 509 Terminal interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418

TERMINET

- 554 CASSET - a TENEX utility program for the GE Terminet UCL-INDRA-NOTE-356

TESTING

- 428 Pluribus document 8: card testing BBN-R-3004

THEORY

- 199 Computer communication network design - experience with theory and practice NIC10273

THOUGHTS

- 239 Some thoughts on network graphics RFC094 NIC05725
- 545 Some thoughts on system design to facilitate resource sharing RFC592 NIC20391
- 553 Procedure Call Protocol Version 2 Some thoughts on system design to facilitate resource sharing NIC24855

THROUGHPUT

- 218 Throughput in computer communication networks
- 374 Throughput in the ARPA network - analysis and measurement BBN-R-2491

TIME

- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR
- 89 TENEX, a paged time sharing system for the PDP-10 BBN-R-2180 AD-729261
- 90 TENEX, a paged time sharing system for the PDP-10
- 91 TENEX, a paged time sharing system for the PDP-10 Abstract
- 216 Response time capacity analysis of a computer communications network
- 375 Cooperative network of time shared computers: preliminary study CCA-TR-11 NIC06458
- 379 Toward a cooperative network of time shared computers NIC04152
- 479 Interactive network of time sharing computers
- 480 Interface to the ARPA network for the CP/CMS time sharing system
- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

TIP, TIPS (SEE ALSO TERMINAL)

- 101 NETRJT - remote job service protocols for TIPS RFC283 NIC08165
- 117 TIP TENEX reliability improvements RFC636 NIC30490
- 167 The Terminal IMP TIP
- 507 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD/A-002481/OSL
- 508 Terminal Interface Message Processor: the BBN TIP; hardware manual BBN-R-2184 AD-740798

TN-1973-50-VOL-1

- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

TN-1973-50-VOL-2

- 556 Interface to the ARPA network for the CP/CMS time sharing system Volume I Volume II: flow charts TN-1973-50-VOL-1 ESD-TR-73-336 AD-773831/3GA TN-1973-50-VOL-2 ESD-TR-73-337 AD-773832/1GA

180 - Index

TOOL

- 550 NSW tool package NTP version 2 NIC25008

TOPOLOGICAL

- 219 Topological considerations in the design of the ARPA computer network
NIC04567
- 220 Topological optimization of computer networks

TRADE-OFFS

- 29 Distributed processing on the ARPA network - measurements of the cost and performance trade-offs for numerical tasks

TRAFFIC

- 152 Data traffic measurements guide improvements to resource sharing network

TRAINING

- 232 Mixed initiative information system for computer-aided training and decision making AD-772416/4GA ED087474 IR000220

TRANSFER

- 72 Another look at Data and File Transfer Protocols RFC310 NIC09261
- 74 Data Transfer Protocol RFC264 NIC07812
- 75 File Transfer Protocol RFC354 NIC10596
- 76 File Transfer Protocol RFC265 NIC07813
- 402 File Transfer Protocol RFC542 NIC17759

TRANSLATOR

- 66 MDC programmer a MUDDLE-to-DATALANGUAGE translator for information retrieval MAC-TM-53 AD-786754/2GA

TRANSMISSION

- 176 Developments in data transmission
- 398 Message transmission protocol RFC680 NIC32116
- 544 Regulatory policy and future data transmission services - packet switching data carriers

TRAPS

- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

TSO

- 164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-746051

UCL-INDRA-NOTE-330

- 555 POST - a British MAIL system UCL-INDRA-NOTE-330

UCL-INDRA-NOTE-356

- 554 CASSET - a TENEX utility program for the GE Terminet UCL-INDRA-NOTE-356

UCL-INDRA-TR-22

- 248 Collected papers on experiences with the London node of the ARPA computer network UCL-INDRA-TR-22

- 323 Impact of integrated message processing facilities on administrative procedures and inter-personal interactions UCL-INDRA-TR-22
- 325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22

UCLA

- 321 UCLA Campus Computing Network an ARPANET resource
- UCLA-CCBS-TM-20
 - 492 Proposal to interface CCBS to the ARPA network via a PDP-15 peripheral processor UCLA-CCBS-TM-20 AD-741639
- UCLA-CSMAG-ENG-7165
 - 134 Computer network measurements: techniques and experiments UCLA-CSMAG-ENG-7165 AD-739344 NIC10168
- UCLA-CSMAG-ENG-7167
 - 560 Nodal blocking in large networks UCLA-CSMAG-ENG-7167
- UCLA-ENG-7252
 - 222 Adaptive routing techniques for message switching computer communication networks UCLA-ENG-7252 AD-749678 NIC11250
- UCLA-ENG-7319
 - 226 Design of store-and-forward S/F networks for computer communications UCLA-ENG-7319 AD-758704 NIC15552
- UCLA-ENG-7410
 - 438 A graph model analysis of computer communications protocols UCLA-ENG-7410 AD-777506/7GA
- UCLA-ENG-7467
 - 331 Computer network research AD/A-000266/7SL UCLA-ENG-7467
- UCSB
 - 552 Network specifications for Remote Job Entry and Remote Job Output retrieval at UCSB RFC105 NIC05775
- UCSB-CSL-22
 - 233 Research in on-line computation UCSB-CSL-22 AD-748841
- UCSB-CSL-30
 - 112 Research in on-line computation and computer network development AD-769675/0 UCSB-CSL-30
- UH-A72-2
 - 356 Multiple access channels UH-A72-2 AFOSR-TR-72-2420 AD-753127
- UH-B69-1
 - 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR
- UH-B69-3
 - 84 Multiplexing in the ALOHA system: MENEHUNE-KEIKI design considerations UH-B69-3 AD-702807 AFOSR-70-0741TR

BECKER AND HAYES—BIBLIOGRAPHY—C-1143

182 - Index

UH-B69-8

358 Random access discrete address multiplexing communications for the ALOHA system UH-B69-8

UH-B70-1

8 ALOHA system - another alternative for computer communications AD-707853 AFOSR-70-1686TR UH-B70-1

530 Simulation of a random access discrete address communication system UH-B70-1

UH-B70-2

95 Simulation of interference of packets in the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR

357 Random access discrete address multiplexing communications for the ALOHA system UH-B70-2 AD-705617 AFOSR-70-1254TR

UH-B71-1

313 Teletype communications at optical frequencies for the ALOHA system UH-B71-1 AFOSR-TR-71-1203 AD-723332

UH-B71-3

80 ALOHA system multiplexer program description UH-B71-3 AD-728246 AFOSR-TR-71-2195

UH-B72-1

4 ALOHA system UH-B72-1 AFOSR-TR-72-0386 AD-737117

UH-B72-2

353 ALOHA system sixteen channel multiplexer program module description UH-B72-2 AFOSR-TR-72-1311 AD-746064

UH-B72-3

164 ALOHA system interface to TSO UH-B72-3 AFOSR-TR-72-1312 AD-746051

UH-B73-1

351 Some advances in radio communications for computers AD-761543X NIC13643 UH-B73-1 AFOSR-TR-73-0985

UH-B73-2

20 Packet switching with satellites UH-B73-2 AD-761544 AFOSR-TR-73-0984

UH-B74-1

348 ALOHA system UH-B74-1 AD-773416/3GA

UH-TN-69-7

529 Design considerations for the MENEHUNE-KAHUNA interface for the ALOHA system UH-TN-69-7

UIUC-CAC-DN-74-119

255 ILLIAC IV applications research UIUC-CAC-DN-74-119 AD-786172/7ST

UIUC-CAC-47

- 96 ANTS - a new approach to accessing the ARPA network UIUC-CAC-47

UIUC-CAC-48

- 258 ILLIAC IV applications research UIUC-CAC-48 AD-758011

UIUC-CAC-500

- 231 PEESPOL manual UIUC-CAC-500 NIC09047

UIUC-CAC-74

- 257 ILLIAC IV applications research UIUC-CAC-74 AD-763290

UIUC-CAC-93

- 256 ILLIAC IV applications research UIUC-CAC-93 AD-772511/2GA

UIUC-DCS-R-72-538

- 62 Cost effective analysis of network computers UIUC-DCS-R-72-538 PB-211784

UIUC-NTS-R-2

- 99 IMP interface manual UIUC-NTS-R-2

UNIVERSITY

- 21 University of Hawaii Time Sharing System: ALOHA system UH-B69-1 AD-695050 AFOSR-69-2591-TR
- 325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22
- 425 Pinched budgets promote growth of university computer networks

UNRELIABLE

- 209 Providing reliable networks with unreliable components IEEE-73-CHO-828-4C

UPDATE

- 129 ARPA update: Harvard use of ARPANET

USAWC

- 43 USAWC curriculum and the ARPANET AD-760889

USE, USES

- 2 Use of computer networks in support of interactive graphics for computer-aided design and engineering NBSIR-73-217 COM-74-10470/4GA
- 129 ARPA update: Harvard use of ARPANET
- 325 Uses of the ARPA network via the University College London node UCL-INDRA-TR-22
- 418 Packet switching net to begin in June - TELENET service will use SOLC

USER, USERS

- 1 Serving remote users on the ARPANET NIC10606 RFC364
- 65 Evolution of user services - the network resource manager IEEE-CHO-835-9C
- 98 ARPA Network Terminal System user's handbook

- 116 TENEX User's Guide
- 225 PRIM user's manual AD-A009936 ISI-TM-75-1
- 327 Analytic results with the addition of one large user NIC12736 ASS-NOTE-27
- 423 Computer networks from the user's point of view IEEE-73-CHO-716-IC
- 444 Resource sharing networks - problems and prospects from a user's viewpoint
- 445 Some technical considerations for improved service to computer network users IEEE-73-CHO-716-IC
- 498 TENEX Executive language for users
- 502 TENEX User's Guide
- 509 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-75 AD-A014398
- 510 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD/A-004316/6SL
- 511 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-74 AD-782172/1
- 512 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV-73 AD/A-004315/8SL
- 513 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-763291
- 514 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-748852 NIC10916
- 515 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183-REV AD-745765
- 516 Terminal Interface Message Processor: user's guide to the Terminal IMP BBN-R-2183 AD-734418
- 520 JSYS traps - a TENEX mechanism for encapsulation of user processes

USING

- 67 ARPA network experimentation using existing data management systems MC-WP-7809
- 77 Scenarios for using ARPANET computers RFC254 NIC07695
- 237 Data Reconfiguration Service compiler: communications among heterogeneous computer centers using remote resource sharing RC-R-887-ARPA AD-745751
- 240 Using network Remote Job Entry RFC307 NIC09258
- 316 Data sharing using interprocess communication on a computer network
- 382 Scenarios for using the ARPANET at the International Conference on Computer Communication NIC11863
- 391 Using NETWRK: a program providing terminal access to the ARPA computer network
- 540 Experiences in building, operating and using the ARPA network

UTAH

- 187 Utah TENEX scheduler

UTILITY

- 376 DATACOMPUTER: a network data utility
- 377 DATACOMPUTER: a network data utility
- 554 CASSET - a TENEX utility program for the GE Terminet UCL-INDRA-NOTE-356

VAN

- 417 Packet Communications Inc. and the VAN issues

VIDEO

- 186 ARPA network series: I Introduction to the ARPA network at RAND and to the RAND video graphics system RC-R-664-ARPA AD-733049

VIEW, VIEWS

- 241 VIEW: a distributed system for graphical analysis of large data-bases RC-P-4972 AD-765924/6
- 320 Views on issues relevant to data sharing on computer networks NIC06742
- 423 Computer networks from the user's point of view IEEE-73-CHO-716-IC

WIS-CS-177-73

- 485 Survey report on computer networks WIS-CS-177-73 PB-231876/4GA

WORKS

- 439 National Software Works protocols, version 2 NIC24856

WORKSHOP

- 387 System programmer's workshop announcements RFC222 NIC07621
- 388 System programmer's workshop announcements RFC227 NIC07178
- 389 System programmer's workshop announcements RFC212 NIC07192
- 390 System programmer's workshop announcements RFC234 NIC07651

WORLD-WIDE, WORLDWIDE

- 110 Study of the data collection, processing and management system for a Worldwide Seismic Network AD-775388/2 BBN-R-2632
- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019

WWMCCS

- 319 Proposal for the development of a secure pilot network for the World-Wide Military Command and Control System WWMCCS based on the ARPA computer network technology MC-MTR-6019