

COMPANY CONFIDENTIAL

SAN JOSE LABORATORY
ADVANCED SYSTEMS DEVELOPMENT

May 24, 1960

FILE MEMORANDUM: 5720-7.11C

SUBJECT: Bibliography on Coding (Alphabets)

This listing assumes that the selection of the code for the alphabet can be separated from the selection of the error-detecting and error-correcting codes. Since this assumption is not true for some types of codes such as m-out-of-n codes, there is some overlapping of this bibliography and 5720-7.11D on ED and EC codes.

F. B. Wood

F. B. Wood

FBW/sh

I. PUBLIC LITERATURE

1942 - 1952

See Stumpers Bibliography, Section XI (listed in File Memo: 5720-7.0)

1952 (1948) - 1954

See Stumpers, Supplement, Section XI

1954 - 1956

See Stumpers - Second Supplement, Section XI

1956 - June 1959

See Stumpers, Third Supplement. F. Louis H. M. Stumpers, "A Bibliography of Information Theory (Communication Theory - Cybernetics)" IRE Trans. on I.T., Vol. IT-6, No. 1, March 1960, pp. 25-51, Sec. XI: Coding, Decoding

1959

R. W. Bemer, "A Proposal for a Generalized Card Code for 256 Characters," Communications of the ACM; Vol 2, No. 9, September 1959.

F. P. Brooks, Jr., G. A. Blaauw, W. Buchholz, "Processing Data in Bits and Pieces," IRE Transactions on Electronic Computers; EC-8, No. 2, June 1959.

W. Buchholz, "Fingers or Fists? (The Choice of Decimal or Binary Representation)," Communications of the ACM; Vol. 2, No. 12, December 1959.

M. P. Schitzenberger and R. S. Marcus, "Full Decodable Code-Word Sets," IRE Trans. on I.T., Vol. IT-5, No. 1, March 1959, pp. 12 - 15.

II. IBM INTERNAL REPORTS

1957

F. P. Brooks, "Multi-Case Binary Codes for Non-Uniform Character Distribution," IBM Preprint, March 18, 1957.

1959

M. P. Marcus, G. J. Saxenmeyer, M. Schatzoff, and L. H. Tung, "Coding Study Report," TR 01.01.012,565, April 30, 1959.

1960

R. W. Bemer and W. Buchholz, "An Extended Character Set Standard," IBM-DSD, Poughkeepsie, Report TR 00.18000.705, January 26, 1960. See also W. Buchholz, "Extended Character Set Revision," IBM Dept. 251, Poughkeepsie, March 14, 1960.

R. W. Bemer, "6-Bit Codes vs. Symbols," (2 pp), January 8, 1960.

Howard J. Smith, Jr., "Transformation Between 6-Bit Codes and More Checkable Codes," IBM - DSD - HC, January 13, 1960.