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oeuvres/works/opere -----

Three Pieces for Three Winds (flute, clarinet,
flugelhorn), 1974, 10 min.
composition aided by program MUSC, printing
by programs JANUS and SMUT

MCC
MPrC

programmes/programs/programmi -----

SMUT 1.2 in FORTRAN IV (almost completely ANSI
standard). System for Music Transcription:
a music printing program, more fully automated
than most. Source program, description
(from Computers and the Humanities, Vol. 8 no. 3)
and User's Guide available.

MPrC

JANUS 2.1 in FORTRAN IV (almost totally ANSI
standard). Interfaces MUSIC V-type note cards,
perhaps from a composing program, to SMUT,
automatically fitting rhythm to conventional nota-
tion, generating a graphic score, etc.
Source program and User's Guide available.

MPrC
MCC

MUSC 1.2B in ALGOL-60, CDC 6000 or 7600 or CYBER,
or ALGOL-W, IBM 360 or 370. 12-tone music
composing program that produces output compatible
with MUSIC V and JANUS/SMUT. Source program and
User's Guide available.

MCC

Eight other music-related programs, by D.Byrd
and others, are available

MCC MEK
CAMA MPrC
MPrC

6/75

textes/writings/testi -----

BYRD, Donald, TRANSCRIPTION BY PLOTTER, Random Bits (Indiana U.) 5,9 (May 1970), pp 1,6-8

MPrC

BYRD, Donald, A SYSTEM FOR MUSIC PRINTING BY COMPUTER, Computers and the Humanities 8,3 (May 1974), pp. 161-172

MPrC

BYRD, Donald, THEY LAUGHED WHEN I SAT DOWN AT THE COMPUTER -- A Short History of Computer Music, Random Bits 10,3 (1974), pp. 2, 3, 7.

GMT

activités/activity/attività -----

Working on version 1.2 of SMUT, music printing program, and planning a major revision to enable it to handle polyphony. SMUT is intended primarily to print the output from composing programs, and with JANUS interface program constitutes a most automatic system.

MPrC

Working with Gary WITTLICH of the Indiana University School of Music on a musical keyboard input system to allow building up a data base of music for analysis.

MEA

Composing (with MUSC) a piece for solo string bass.

MCC

One of his interests for many years has been building a complete and portable computer music system -- including composition, sound sythesis, printing, and analysis programs, each capable of communicating with the others. It is important that this system be portable so that people with other hardware won't have to do a lot of busy work. This system is portable for medium- and large-scale computers: no real-time or interactive programs.

GMT

6/75

biographie/biography/biografia -----

- 1946 born in Chicago, Illinois
1964-68 studied composition at Indiana University with
Bernhard Heiden and Roque Cordero (B.M.,1968)
1969-72 worked as a programmer for Indiana Univ. and for
Iannis Xenakis
1973-75 studied computer science at Indiana U. (M.S.,1975)
Been active in computer applications to music
since 1968.

6/75