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oeuvres/works/opere

<u>Computer Variations</u> , 1969, 9'30"	MPeC
<u>Kaleidoscope</u> , 1969, 7'40"	MPeC
<u>Interchange</u> , 1970-71, 12'20"	MPeC
<u>Macro-Structure</u> , 1971, 5'17"	MPeC
<u>Freeze</u> , 1972, 11'17"	MPeC
<u>Three Studies in Timbre</u> , 1972, 14'	MPeC
<u>Canons</u> , 1974, 35'	MPeC MCC

disques/records/dischi

Freeze is recorded by the American Society of
University Composers and available in conjunction
with its Proceedings, vols. 7/8, 1974.

programmes/programs/programmi

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| MUSIC7
FORTRAN IV and Meta-Symbol languages, Xerox
Sigma 5/7/9 computer.
Computer music-synthesis program. | MPeC |
| MUSIC4BF
(written with Godfrey Winham). FORTRAN IV
language, presently running on IBM 360 and
370 computers, Xerox Sigma 5/7/9 computers,
and CDC 6000-series computers.
A FORTRAN version of MUSIC4B. | MPeC |
| MUSIC4B
(written with Godfrey Winham). FORTRAN II
and BEFAP languages, IBM 7090/7094 computers.
Revision and expansion of Bell Telephone Laboratories'
MUSIC IV program. | MPeC |
| COMPOZ
FORTRAN IV, IBM 370/168 computer.
Program for music composition according to
multi-dimensional arrays. | MCC |

textes/writings/testi

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| HOWE, Hubert S., Jr.
"COMPOSITIONAL TECHNIQUE IN COMPUTER SOUND SYNTHESIS."
<u>Proceedings of the American Society of University
Composers 7-8, 1972/1973. 26-30.</u> | MPeC |
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<u>ELECTRONIC MUSIC SYNTHESIS.</u>
W.W. Norton and Company, New York, 1975. 274p. | MPeC
GMT |
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"A GENERAL VIEW OF COMPOSITIONAL PROCEDURE IN
COMPUTER SOUND SYNTHESIS."
<u>Proceedings of the American Society of University
Composers 3, 1968. 98-108.</u> | MPeC |
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<u>MUSIC7 REFERENCE MANUAL.</u>
Queens College Press, New York, 1972. 112p. | MPeC |

cont.

"SOME COMBINATORIAL PROPERTIES OF PITCH-STRUCTURES."
Perspectives of New Music, 4, 1, Fall/Winter 1965.
45-61.

CAMA

"THE CHAOTIC STATE OF COMPUTER MUSIC."
Computers and the Humanities 4, 4, 1970. 277-283.

MPeC
GMT

activité/activity/attività _____

I am currently working on a new computer-composed piece which will exist in two versions: one will be a computer-synthesized electronic tape, and the other a score for live performance by instruments.

I am also writing a workbook for MUSIC4BF, to teach people how to use the program.

I would also like to mention the recent Third International Computer Arts Festival, held at the City University of New York in New York City, which exhibited computer art, films, and video work in addition to music.

biographie/biography/biografia _____

1942 born in Portland, Oregon, USA
1960-67 studies in music at Princeton University, Princeton, New Jersey
1967- faculty of Music Department, Queens College CUNY (presently associate professor)
1970- President of League of Composers - International Society for Contemporary Music, U.S. Section
1974- faculty of Juilliard School, New York City

7/75