Bibliography

If you have any HMSL generated writings or recordings that you would like to have included in this bibliography, please send us a copy.

MIDI

IMA (International MIDI Association) 5316 West 57th Street, Los Angeles, CA 90056

Phone: (213) 649-6434 / Fax: (213) 215-3380

Object-Oriented Programming

BYTE Magazine. Volume 11, Number 8, 1986. "Object Oriented Languages" issue; contains articles on object oriented Forth, NEON, ACTOR, Objective-C, Smalltalk, etc.

Cox, Brad J. 1986. *Object Oriented Programming: An Evolutionary Approach*. Addison Wesley Publishing Company.

Goldberg, Adele, and Robinson, David. 1983. Smalltalk-80: The Language and Its Implementation. Addison Wesley Publishing Company.

FORTH

Brodie, Leo. 1981 Starting Forth. Prentice-Hall.

Burk, P., Haas, M., Donovan, B., and King, J. 1989. *JForth Professional For The Amiga: User Manual and Reference Guide, Version 2.0*. San Rafael: Delta Research Incorporated.

Derick, Mitch, and Baker, Linda. 1982. Forth Encyclopedia. Mountain View Press Inc.

Forth Interest Group. PO Box 8231, San Jose, California, 95155 (publish a wide variety of materials on Forth).

Loeliger, R.G. 1981. Threaded Interpretive Languages. BYTE Books.

Mahlon, G. Kelly & Spies, N. 1986. Forth A Text and Reference. Prentice-Hall Software Series.

Scanlon, Leo J.1982. Forth Programming. Blacksburg Continuuing Education Series. Howard W. Sams and Co.

Theoretical and Musical Topics

Anderson, David, and Kuivila, Ron. 1989. "Continuous Abstractions for Discrete Event Languages." In *Computer Music Journal*. 11-23. Volume 13, Number 3. Fall.

- 1988. The FORMULA Reference Manual. Available from the authors.

— 1986a. "Accurately Timed Generation of Discrete Musical Events." In *Computer Music Journal*. Volume 10, Number 3. Fall.

— 1986b. "A Model of Real-Time Computation for Computer Music. " In *Proceedings of the International Computer Music Conference*. Barry Truax, editor. San Francisco, CA: Computer Music Association.

Dodge, C., and Jerse, T. 1985. Computer Music: Synthesis, Composition, and Performance, Schirmer Books.

Flurry, Henry S. 1988. "The CREATION STATION: An Approach to a Multimedia Workstation." In *Leonardo: The International Journal of the Arts, Sciences and Technology*, Supplemental Issue, "Electronic Art."

Bibliography Bib - 1

Kelley, Daniel, and Strange, Allen. *MASC Reference Manual*. Available from the authors c/o Electro-Acoustic Music Studio, San Jose State University, 1 Washington Square, San Jose, California 95192.

Lewin, David. 1987. *Generalized Musical Intervals and Their Transformations*. New Haven: Yale University Press.

- 1984. "On Formal Intervals Between time-spans." in Music Perception. 414-423. Vol. 1, Number 4. Summer.

Polansky, L. 1987a. "Morphological Metrics: An Introduction to a theory of formal distances." In *Proceedings of the International Computer Music Conference*, compiled by James Beauchamp. San Francisco, CA: Computer Music Association.

—1987b. "Paratactical Tuning: An Agenda for the Future Use of Computers in Experimental Intonation", *Computer Music Journal*, Volume 11, Number 1, Spring.

— 1984. "The Early Works of James Tenney," in *Soundings* 13. Soundings Press, Box 8319, Santa Fe, New Mexico, 87504-8319.

Polansky, L. & Rosenboom, D. (editors).1987 James Tenney Issue. Perspectives of New Music, Vol 25 I/II, Spring.

Polansky, L., and Levin, J. 1987. "The Mills College SEMINAR IN FORMAL METHODS Series: A Documentary History of the First Five Years." In *Leonardo: The Journal of the International Society for the Arts, Sciences, and Technology.* 155-163. Vol. 20, No. 2.

Pope, Stephen T. 1986. "Music Notation and the Representation of Musical Structure and Knowledge." In *Perspectives of New Music.* Vol. 24, No. 2.

— 1987. "A Smalltalk-80-based Music Toolkit." In *Proceedings of the International Computer Music Conference*, 166-173, compiled by Jame Beauchamp. San Francisco, CA: Computer Music Association.

— 1989. "Machine Tongues XI: Object-Oriented Software Design." In *Computer Music Journal*. Vol. 13. Number 12. Summer.

Powell, Jarrad. 1987. Substance and Non-Substance. Cassette. Available from Frog Peak Music.

Rosenboom, David. 1990. Extended Musical Interface with the Human Nervous System: Assessment and Prospectus. Leonardo Monograph Series No. 1. Berkeley, CA: ISAST, International Society for the Arts, Sciences, and Technology.

- 1988. Champ Vital (Life Field), score, for violin, piano and percussion, available from Frog Peak Music.

- 1987a. Collected Articles. Oakland: Frog Peak Music.

— 1987b. "Cognitive Modelling and Musical Composition in the Twentieth-Century: A Prolegomenon." In *Perspectives of New Music.* James Tenney Packet. 439-446. Vol. 25. Nos. 1 and 2.Winter and Summer.

— 1990. "The Performing Brain", Computer Music Journal, Vol 14, No 1, Spring 1990, The MIT Press

— 1987c. "A Program for the Development of Performance Oriented Electronic Music Instrumentation in the Coming Decade: "What You Conceive Is What You Get'." In *Perspectives of New Music*. James Tenney Packet. 569-583. Vol. 25. Nos. 1 and 2. Winter and Summer.

-1987d. In The Beginning, A Collection of Works. Available from Frog Peak Music.

— 1984-86. *Zones of Influence*. Score for percussion soloist, computer music instrument, and auxiliary melodic parts. Oakland: Frog Peak Music.

____1984 "On Being Invisible." In *MusicWorks*. No. 28. Music Gallery. Toronto.

- 1977a. On Being Invisible. LP Record, Music Gallery Editions, #MGE-4, Toronto.

- 1977b. On Being Invisible. Video tape. Western Front Video, Vancouver.

— 1976. Biofeedback and the Arts: Results of Early Experiments. Vancouver: ARC Publications.

Scaletti, Carla. 1989. "Composing Sound Objects in KYMA." In *Perspectives of New Music*. 42-69. Volume 27. No 1. Winter.

— 1989a. "The Kyma/Platypus Computer Music Workstation." In *Computer Music Journal*. 23-38. Volume 13, No. 12. Summer.

Bib - 2 HMSL Reference Manual

—1987. "Kyma: An Object-oriented Language for Musical Composition."*Proceedings of the International Computer Music Conference*. Urbana, Illinois. (Published by the Computer Music Association)

Tenney, James, with Polansky, Larry. 1980. "Temporal Gestalt Perception in Music." In *Journal of Music Theory*. 24/2, Fall.

Tenney, James. 1987. *META* + *HODOS and META Meta* + *Hodos*. (Written in 1961). Oakland, CA: Frog Peak Music.

HMSL

Armstrong, Sara Garden. 1990. *Airplayers*. Available from Frog Peak Music. Art book documentation of sound-sculpture project done in collaboration with Nick Didkovsky and Bob Bielecki using HMSL. Forthcoming article in *Leonardo Music Journal*.

Burk, Phil.1991. "The Integration of Real Time Software Synthesis into HMSL, an existing Music Language" Describes 56000 DSP system. In Proceedings of the International Computer Music Conference. San Francisco, CA: Computer Music Association.

--- 1987. "HMSL — An Object Oriented Music Language." In RoboCity News. Volume III, Issue 4, May.

Burk, Phil and Marsanyi, Robert 1992. "Iconic Programming in HMSL" Describes iconic patch language called WIRE built on HMSL. In Proceedings of the International Computer Music Conference. San Francisco, CA: Computer Music Association.

Center for Contemporary Music. "Beginning, Advanced and Intermediate HMSL." Video recordings of seminars given as part of the Mills College Seminar in Formal Methods Series, by Phil Burk, Robert Marsanyi, Bill Maginnis, Larry Polansky and others. Available from Frog Peak Music.

Corner, Philip (with Larry Polansky, software). 1987. "Delicate Computations." Piece written in HMSL, published in *Perspectives of New Music*. James Tenney Issue, Spring.

Didkovsky, Nick. 1991 (with Dr. Nerve). Beta 14 ok. Compact Disk using DrNerve.HMSL. Cunieform Records 26.

- 1990. "HMSL: In All Languages." Ear Magazine. February.

— 1990b (with Dr. Nerve). *Did Sprinting Die?* Compact Disk using DrNerve.HMSL. Wayside Music Archives Series. WMAS2

— 1989. "Computer Generated Composition for Doctor Nerve." *Proceedings of the 9th Symposium on Small Computers in the Arts.* SCAN. November.

Mahler, David. 1989-90. *Washington State Centennial Bell Garden*. HMSL controlled public installation, including one bell from each of Washington's 39 counties. Washington State Convention and Trade Center. Seattle.

Mann, Chris. 1990. *The Birth of Peace*. Book/Cassette. Collaboration with Warren Burt, Larry Polansky, Alistair Riddell, Simon Vietch, and Willy the Goldfish. Using HMSL, 3DIS System, Yamaha DiskClavier, various samplers, etc. Based on music by Nietzche, performances by Levi-Strauss and Wittgenstein. Recorded Melbourne, 1989. NMA Publications, Australia.

Marsanyi, Robert. 1990. Swimming Without a Net. Compact Disk. with David Brown and Aric Rubin. ARF Music 51.

Mathews, Max, and Pierce, John. 1989. Current Directions in Computer Music Research. MIT Press.

Miller, Steven M. 1989. "Motion/Stasis." M.F.A Thesis, Mills College.

Parson, Jeanne. 1989. "Levels of Complexity." M.F.A Thesis. Mills College.

— 1990. (producer) *One.Source: HMSL*. HMSL compilation tape, with music by John Bischoff, Steve Curtin, Nick Didkovsky, Steve Everett, Andreas Mniestris, Jeanne Parson, David Rosenboom, Carter Scholz, and others. Available from Frog Peak Music, Box A36, Hanover, NH 03755.

Oliveros, Pauline. 1986. *Dear.John*. Composition using HMSL, commissioned by West German Radio, (software by L. Polansky). Available from the Pauline Oliveros Foundation, NY.

--- 1990 *Lions Tale*, CDCM Computer Music Series. Vol 7. Centaur Records. Bibliography Bib - 3 Polansky, L., Burk, P., with Rosenboom, D. 1990. "HMSL: A Theorerical Overview." In *Perspectives of New Music*, Summer.

Polansky, L. 1990a. *The Theory of Impossible Melody*. Compact Disk. Artifact Recordings. ART04 (Distributed by Frog Peak Music).

- 1990b. 17 Simple Melodies of the Same Length. Piece on disk. Distributed by Frog Peak Music.

—1988a. *Four Voice Canons* #3-6/*Cantillation Studies* #1-2, cassette of computer works. Distributed by Frog Peak Music.

— 1988b. Works for Performers and Live Interactive Computer. Oakland: Frog Peak Music Cassette. (Contains recordings of four works done using HMSL: B'rey'sheet; Simple Actions; Cocks Crow, Dogs Bark...; and 17 Simple Melodies of the Same Length).

— 1987a. "Distance Music I-VI, For Any Number of Programmer/Performers and Live, Programmable Computer Music Systems." In *Perspectives of New Music*. James Tenney Packet. 537-544. Vol. 25. Nos. 1 and 2. Winter and Summer. (Includes score for *Simple Actions*).

— 1987c. "The HMSL Experimental Intonation Environment." In *1/1: The Journal of the Just Intonation Network*. Vol. 3, #1.Winter. 535 Stevenson St, San Francisco, CA 94103.

Polansky, L., Rosenboom, D. and Burk, P. 1987. "HMSL: Overview (Version 3.1) and Notes on Intelligent Instrument Design." *Proceedings of the International Computer Music Conference*. Urbana, Illinois.

Polansky, L, and Rosenboom, D. 1985. "HMSL (Hierarchical Music Specification Language), A Real-Time Environment for Formal, Perceptual and Compositional Experimentation," in *Proceedings of the International Computer Music Conference*. Barry Truax, editor. 243-50. San Francisco, CA: Computer Music Association.

Riddell, Alistair. "Interview with Larry Polansky." *ARRAY, Newsletter of the Australian Computer Music Association.* #2. 1989. Available from Frog Peak Music, Box A36, Hanover, NH. 03755.

Rosenboom, David.1989. *Systems of Judgement*. Compact disk of work for computer and acoustic music instruments. CDCM Computer Music Series. Vol. 4. Baton Rouge: Centaur Records.

Scholz, Carter. 1990. "Computer Partnerships." Keyboard Magazine. October.

- 1988. "MIDI Resources." In Keyboard magazine. 74-88. November.

- 1988a. "HMSL Software Language." In Music Technology. 82-83. September.

(Note: All Frog Peak Music publications are now available from Frog Peak Music, Box A36, Hanover, New Hampshire, 03755).