# **CURRENT LITERATURE**

### I. Book Reviews

fim Horton, Vance Maverick, Tim Perkis, Larry Polansky, Carter Scholz, Peter Yadlowsky, Richard Zvonar Review Panel: Kent Devereaux, Nick Didkovsky, Richard Friedman, Miguel Frasconi, Anthony J. Gnazzo,

#### MANTRA

by Karlheinz Stockhausen. New Albion Records NA025, 1990.

### CONVERSATIONS WITH STOCKHAUSEN

by Mya Tannenbaum. David Butchart, trans. Oxford Univ. Press, Oxford, U.K., 1987. 112 pp. Trade, \$24.95.

## TOWARDS A COSMIC MUSIC: TEXTS BY KARLHEINZ STOCKHAUSEN

Tim Nevill, ed. and trans. Element Books, London, U.K., 1989. Paper, \$9.95. ISBN: 1-85230-084-1.

### THE WORKS OF KARLHEINZ STOCKHAUSEN, 2nd Ed.

by Robin Maconie. Oxford Univ. Press, Oxford, U.K., 1990. 480 pp., illus. Trade, \$49.95. ISBN: 0-7145-2887-0.

## STOCKHAUSEN ON MUSIC

compiled by Robin Maconie. Marion Boyars, London, U.K., 1989. 224 pp. Trade, \$25.00. ISBN: 0-7145-2887-0.

Reviewed by Richard Friedman, P. O. Box 9584, Berkeley, CA 94709, U.S.A.

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with his mammoth seven-opera cycle haps Stockhausen's preoccupation there are treasures in DGG's vaultshave been no digital reissues, for supervision. It is not clear why there alized under the composer's obsessive 2530208), in 1971. That recording, by Stockhausen's Mantra has been re-(1955), through *Momente* (1964) and everything from Cesang der Jünglinge Deutsche Grammaphon that were redisks of 'Stockhausenmusik' on so pre-compact-disc (CD) era vinyl disappeared, like most of the 100 or Aloys and Alfons Kontarsky, quickly corded only once before (DGG Hymnen (1967), to Sirius (1977). Per-

Licht, begun in 1977, is partly to blame.

sion pieces, including Kontakte fort to reintroduce this composer's side the Group Stockhausen. Their efa new generation of performers outworks have been recorded recently by and Rosalind Bevan (recorded in Mantra by pianists Yvar Mikhashoff lease of a spectacular performance of various groups. New Albion's 1990 re-(1960), have been recorded on CD by Aus den sieben Tagen (1968) and Tier-kreis (1976). And a few of his percus-1954-56), as well as selections from piano pieces (Klavierstücke I-XI are multiple releases of his early should be applauded. Already there pre-Licht legacy to a new audience 1986 in Oslo) is a valuable addition to However, some of the smaller

Mantra (1970), for two pianists who also must play antique cymbals, wood blocks, a tape recorder and ring modulators, is truly a Stockhausen masterpiece that clearly concentrates much of his thinking and experimentation of the 1960s. It also represents a new compositional practice, the 'sound-formula', developed from ideas found in some earlier works (especially Momente), which now dominates his work.

a 13-note sequence of pitches and dunique is a way of composing self-similar Jonathan Cott's book of conversations complete discussion can be found in jacket was excellent, and a more explanation on the old DGG record no real help. Stockhausen's own brief included in the New Albion CD are of in Mantra? Unfortunately, the notes 'formula', and how does it function structures out of a generating form. with the composer, published in in the first piano. very start of the piece (measures 3-8) sections ('limbs') that is heard at the rations arranged into four mirrored This generating form is 'the mantra'-1973. Stockhausen's formula tech-What does Stockhausen mean by

Superimposed on the mantraformula are 13 'characteristics' or

figurations that are attached to each note of the sequence. With 12 ways to expand the material in the sequence and 13×12 pitch transpositions, a large number of formal cycles are possible, all based on the generating function of the mantra.

Stockhausen cautions that Mantra (the piece) is not a theme with variations. Rather, the mantra (the formula) "is not varied; not a single note is added, nothing is 'accompanied', ornamented, etc. The 'Mantra' always stays itself, and appears in its twelvefoldness, with its 13 characteristics".

Yet another overlay in the process results from the use of ring modulators to generate new harmonic relationships out of the pitches of the formula. Each pianist controls electronics that alter the amplified sound of the piano in predictable but complex ways. The transformations of the sound are centered on each of the 13 notes of the mantra.

tions in the notes themselves" micro-structure of the harmonic vibra the acoustic time-field of the unified mos, just as it is a magnification into unified macro-structure of the cosmantra "is a musical miniature of the the listener. But to Stockhausen, the composer and remain unknown to the formal procedures are for the hausen's, who said somewhere that course, this is not a concern of Stockare apparent, at least to my ears. Of can be analyzed, but in listening, few tuitive' music. The formal operations cal and verbal scores of his earlier 'inindicating a return from the graphiis written out in traditional notation, The score is impressive. Every note

Stockhausen has described working on Mantra as "the happiest composition time I have ever spent in my life", and the work literally bubbles over with good humor and excitement. This mysterious hour-long unfolding of the mantra through all of

Section Editor: Carter Scholz

pelling. Ring-modulation produces a sound that is at times reminiscent of Cage's prepared pianos. The effect is stunning. The piano writing is at times athletic, dramatic and humorous, and always interesting. This is truly an amazing piece.

music. This recording proves it. world for the performance of new peccable reputations around the easy piece. Both pianists have im-Bevan is masterly. Mantra is not an The performance by Mikhashoff and thing the DGG recording did have. greater separation between them, one undistorted. I only wish there were a incredible depth and are completely gether. The modulated pianos have CD recording is another world altotraded in the recording. But this new DGG recording was so negative I so. My initial response to the 1971 This is truly an amazing piece.
I must admit I did not always think

(Why he insists on 'Maestro', I do not me about your moments of joy." ing, one example being "Maestro, tell are pedestrian and heavy with mean-But Tannenbaum's leading questions performance of Donnerstag from Licht. ticularly as relating to the La Scala hausen's performance problems, parhumorous) anecdotes about Stockof text) has some interesting (and and 1981. This thin volume (93 pages views with Stockhausen between 1979 Italian journalist, conducted his intertranslation. Mya Tannenbaum, an in Europe, but few reach us through hausen remains a subject for books have appeared in English. Stockand about Stockhausen and his music Suddenly, a number of books on -could it be sarcasm?)

the mysterium that is at the center of Regardless, this book substantiates about it". The composer-as-spaceand don't understand it, so it really Stockhausen's work. Too bad there is was not kidding and still believes it. doesn't make much sense to talk from Sirius, but people laugh at this was "educated on Sirius, that I come that an inner revelation told him he magic that other books leave out. Re-1990s, but I, for one, hope that he cadet may seem a bit dated for the member, Stockhausen did say in 1978 with a good dose of the mysticism and from the late 1960s right up to 1988, ter resource. Nevill has selected texts hausen's lectures and writings is a bet-Tim Nevill's collection of Stock-

> gold mine to anyone trying to comprehend the awesome body of Stockhausen's work. The first edition was presentations. to say something intelligible for radio hausen and, as in my case, required for anyone both serious about Stockmade this single work indispensible seating plans and recording data amples from scores, wiring diagrams, information, including graphic exfrom Chöre für Doris (1950), opus 1, to organized in chronological order, since the 1970s. His first edition of the better 'explainers' of Stockhausen living in England, has been one of New Zealand writer and composer sent some grave problems. Maconie, a The Works appeared in 1976. It was a Tierkreis (1975), opus 41. Its detailed Kobin Maconie's two books pre-

all his magic crumbles, as that of the informative, has been deleted. A typiway, sometimes quite trivially. A great sentence has been altered in some in chronological order. Nearly every tioned in passing but not necessarily and Incarnations". Each work is men-Path to Electronic Music" and "Fables view chapters with titles such as "The totally reorganized into major over-Licht. But this second edition is a disappointment. The book has been about the works since 1975, especially edition, expecting similar revelations weak musings on Mantra's similarity ments have been replaced by some ing for precision, for 'right saying' " ing for the unknown, instead a striv-In the first edition, Maconie added, nounced the mantra of the sacrifice." Vedic priest who has badly pro-"And if the true vibration is not there vibrations that are beyond ideas: performance of Mantra that describes hausen's program note for a 1971 cal example is a quotation from Stock deal of material, both anecdotal and to Boulez's Structures for Two Pianos. In the second edition, both com-"This is the point . . . no more a striv-I have waited years for an updated

Why? Maconie claims in the preface that a "windfall of information from other sources has been provoked, much as anticipated, by the first edition's speculative and factual errors". But so much has been left out and changed . . . was it all wrong? Or is it just the result of the stodginess of middle-age 'correcting' the exuberant excesses of youth? One certainly will not learn about Stockhausen's secret life on Sirius here!

There is, of course, a detailed bibliography and discography, and the most complete chronological listing of Stockhausen's works available. The newer works, including *Licht* (through *Montag aus Licht*, 1988), are described, if all too briefly. But these final 33 pages are about all we have on *Licht* in any detail anywhere in English so far. Still, I am keeping my first edition.

was too 'sentimental' for the 1990s. a public-relations sheet. The earlier fortunately, this collection reads like and is now available in softcover. Unpublished by Marion Boyars in 1989 were conducted 10 years later, was Apparently the Vedic priest imagery sentimental value" (Tempo, 1990). Stockhausen's ideas of no more than cally astute generation might find 1989 was that a younger, more technifor "editing them for publication in tures. He has replied that his reasons for editing out material from the lechave already taken Maconie to task included. However, some reviewers Momente, and his important lecture lative. There is a useful discussion of hausen as being mysterious and speculectures in this book depict Stock-Britain in 1971, and interviews, which hausen lectures, which took place in "Four Criteria of Electronic Music" is Maconie's collection of Stock-

Regardless, I am glad that Stockhausen is still very much with us. We need more performances and recordings of the earlier music. We need the vaults of DGG to be flung open. We need more composers from Sirius. As the voice in *Hymnen* said: "Wir konnen noch eine Dimension tiefer gehen" (We can go one dimension deeper still).

### 20TH CENTURY MICROTONAL NOTATION

by Gardner Read. Greenwood Press, Westport, CT, U.S.A., 1990. 198 pp. Trade, \$39.95. ISBN: 0-313-27398-7.

Reviewed by Larry Polansky, Department of Music, Dartmouth College, Hanover, NH 03755, U.S.A.

The writings of Gardner Read, which include the ubiquitously referenced Music Notation and the wonderfully original Thesaurus of Orchestral Devices, form an interesting and unique corpus. Read is an indefatigible and meticulous cataloguer and collector but also an unusually aggressive and

harder), not his local library! he blames himself (and works even attitude: if he overlooks something, block!). Read has the ideal research talk to the composers on the next often do not seem to want to actually contemporary musicologists (who tion of most journalists, theorists and but for some reason escape the atten ideas that are in contemporary use Read goes after unpublished (but stil authors seem content simply to colin his search for sources: while many up-to-date. He goes further than most study of whatever it is he is collecting and attempts, I believe, to bring the the unheard and the experimental se arch of this type in that it seeks out from other academically oriented rein aginative one. His work stands out important) manuscripts and musical lect that which is readily available,

and done it well. students and composers, simply bemiliar and suggestive to composition ally inspired by his polyrhythm charts, cause Read has done his homework their notational practices, will be unfaof the works discussed, along with probably have the same effect. Most 20th Century Microtonal Notation will temporary musicology. Read's recent ment one could pay to a work of conand this is perhaps the highest complition students over the years were actualready knew. Several of my composisimply a record of things everyone gave ideas to students; it was not such an important book: it actually This is what made Music Notation

signs for themselves. The sheer numunearth the meaning beneath the tonal notation, readers are allowed to its broad survey of the musical ideas the notation of "Quarter- and Three-Quarter-Tones", "Eighth- and Six-teenth-Tones", "Third-, Sixth-, and tremendously valuable cal examples, make this book cluded, along with the copious musiber of scores and composers intrates on the semiotic aspect of micro cussed. Because the book concenconveyed by the diversity of scores dishard for any composer or theorist to about the music itself, but it would be according to the way that scales divide read this book and not benefit from that his work is about notation, not Read is careful to distinguish clearly and Compressed Mictrotonal Scales" 31-Tone Scale", and finally "Extended Twelfth-Tones", "Fifth-Tones and the the octave, with chapters devoted to The book is organized more or less

> Read's highly organized personality is intrigues me is a kind of subtextsame microtonal intervals in several of using different symbology for the of its explosive messiness. According chaos he so diligently describes in all at odds with the musical and notational that they do. rather the effective investigator who prosecution, defense or judge but microtonal symbology". Read is not of the composers' ultimate choice of comment on the logic and suitability cal historians . . . it is hoped . . . will yearns for logic and efficiency: "Musi-(and he is) and to represent everyone of his works". Read wants to be fair to Read, Penderecki's notation is wonders why people act in the ways (no matter how quirky), but he "commendable", and Haba is "guilty One aspect of this book that

rillo, in all their diversity pioneers as Partch, Haba and Carfluenced by such equally stubborn headedness of the generations inthis democratic and quite joyful pigbody else". Rather, Read documents to adopt anything proposed by some tems of notation and are not willing posers prefer to stick to their own sysnow has taught me that most coming comment that "experience up to Rudolf Rasch's accurate and fascinat-To his credit, Read does not lament rality of microtonal notations in use. excellent and concise essay on the plu-Read's prelude to the book is an

tirely personal and represents a long-standing disagreement with many of years) or Darreg's 'xenharmonics'. and I much prefer terms like 'experimental intonation' (a term I have nomenological justifications aside, bothered me, Johnny Reinhard's phethe term 'microtonal' has always my colleagues in this field. The use of cause it is commonly used, and justify most people use microtonality bewhich is bigger than the 12-equalseptimal major second, the 8/7 in this way (for example, the standard are interested in are not microtonal intervals that we composers use and not for many composers. Many of the temperament as a canon, which it is seems to refer to 12-tone equal Microtonality, as a term, usually tried to consistently use over the it later. Read, oddly enough, does not find them unconvincingposed for the use of the term, but I been some elaborate arguments protempered major second). There have I have one quibble, which is en--I think

address the issue of what the field is called at all, whereas many of the most active practitioners and theorists (whom he cites for their individual works) have been articulate and energetic about this very issue (including myself, John Chalmers, Ivor Darreg, Erv Wilson and many others).

ing problem with the whole book), gamuts have gone on ever since the diatonic and twelve-note chromatic side of the traditional seven-note sporadic experiments with pitch outtury phenomenon, forgetting that think, nonetheless, that microtonal from the prelude that "we still tend to historical myopia in his statement top of a mountain in Germany in anand handed down to Beethoven on not some standard engraved in stone perament itself is a 'microtonality', temperaments? Twelve-tone equal tem-Just intonations, mean-tones, wellmatic gamuts" does he have in mind? note diatonic and twelve-note chrohistory of change (of experimental cally, and the history of tuning is the relatively recent phenomenon historiwhat can he mean by this statement? ing only Western 'art music' here Even if one allows that he is discussdevelopment of classic Greek music" music is exclusively a twentieth-censic traditions respectable, but no more tenure in European-American art muby no means universal) 150-200-year dard, making its (rather tenuous and 12-tone equal temperament as a stanbook itself helps to delimit the end of cient times. Nicely enough, Read's intonation). What "traditional seven-Twelve-tone equal temperament is a (which might be viewed as an interest In fact, I find a strange and related

so than many other tuning systems!

These more hermetic philosophical discussions aside, Read's book represents a monumental and beautifully executed body of research. Any composer working in or wishing to work in microtonality will find it essential, as will anyone who wants to appreciate the true complexity and richness of twentieth-century musics.

#### ELEMENTS OF COMPUTER MUSIC

by F. Richard Moore. Prentice Hall, Englewood Cliffs, NJ, U.S.A., 1990. 560 pp. Paper, \$34.00. ISBN: 0-13-252552-6.

Reviewed by Vance Maverick, Computer Reviewed by Vance Maverick, Computer Science Division 571 France Hall Univ.

Reviewed by Vance Maverick, Computer Science Division, 571 Evans Hall, University of California, Berkeley, CA 94720, U.S.A. E-mail: maverick@cs.berkeley.edu

Richard Moore aims high with this book. His title is broad, and the first chapter, a survey of the field, makes it clear that he really means to introduce every important area in it. Like many other academics, though, who after a long career of research in a field then set out to encompass it in a book, Moore is best on the topics closest to his experience. This is a valuable book but narrower than its author may have hoped.

The second chapter is an introduction to the theory of digital signal processing (DSP). Moore has published similar material before, and he expounds the rudiments of the subject nicely. I am not sure, however, that this chapter alone will be a sufficient introduction to DSP for an unfamiliar musician. Furthermore, in this first edition, the chapter's usefulness is weakened by typos, primarily a long series of mismatched equation numbers. (An errata sheet is available from the University of California at San Diego [1]).

The theory of DSP may be essential to an understanding of how synthesis techniques work, but musicians have been applying these techniques empirically for decades. So even a

of this complaint is a fair measure of cent developments in synthesis from have liked to see some material on re diction analysis and more. I would waveshaping, the Karplus-Strong vocoder, frequency modulation, sis, the Fourier transform, the phase ful explanations for wavetable synthein the C computer language and use-Here Moore provides working code excellent compilation of algorithms. fit greatly from the third, which is an through the second chapter will bene the breadth of this collection. physical models, but the narrowness reader who is unwilling to work 'plucked string' algorithm, linear pre-

The fourth chapter, involving rooms and reverberation, is more theoretical and is largely devoted to the exposition of the cmusic model of sound spatialization. Some code is given, but not enough for most readers to progress far without the cmusic program. Interested composers will need the program itself or a lot of time to spend writing code and experimenting with parameters.

computer scientist, and none of the sufficient complexity to intrigue a dom sieves. This material fails at two everything is Markov chains and ranthis point to the end of the chapter, with a paragraph of meditation; from carries on the mood for a moment ing the familiar Romantic notion of complete) is the fifth, called "Com-Moore's own admission the least levels: none of the algorithms is of knowledge of human feeling". Moore music as expressing "the composer's tion from Susanne Langer, expound position". It begins with a long quota The weakest chapter (and by

results is of sufficient interest to attract a musician.

making music. He passes with little who are not academics at all. by his immediate colleagues. This works that he mentions were composed musical perspective: almost all of the more, these remarks reflect a narrow general musical remarks. Furthertion of algorithms to vague and transition from a detailed presentalarly, the many computer musicians elsewhere in the field—and, particufrom outside his worldclannishness may alienate readers more interested in research than in of the computer-music field, Moore is Like some of the other founders -academics

The book is rounded out with a series of appendices: some basic mathematics necessary for the DSP section, a table of units, a brief venture into the realm of tuning and an overview of cmusic. But for most readers, the important part of the book will be the central chapters, particularly chapter 3. Here, Moore distills his years of experience by building cmusic and its ancestors into a meaty collection of algorithms. This core will remain an important source and reference for years.

#### Note

1. The cmusic program and the current errata sheet for Elements of Computer Music are available from the Center for Music Experiment at UCSD. The distribution fee for the CARL software package is \$250.00. Write, telephone or send electronic mail to John Lauer, Administrative Director, Center for Music Experiment, University of California at San Diego, 9500 Cillman Drive, La Jolla, CA 92093-0037. (619) 594-4383. E-mail: jlauer@ucsd.edu

### ELECTRIC RAGS II

by Alvin Curran/Rova Saxophone Quartet. New Albion Records, 1990.

Reviewed by Nick Didkowshy, 171 East 99th St., Apt. 20, New York, NY 10029, U.S.A.

Electric Rags II is a challenging suite of 30 miniature pieces for computer and saxophone quartet. A flexible computer-music system, designed by Alvin Curran and Nicola Bernardini, tracks the quartet in real time, subtly or grossly altering their sound, echoing the group's improvisations, anticipating their material or directly conducting the ensemble. The use of

## II. Recording Reviews

indeterminate procedures ensures that each performance constitutes a new version of the work. The 30 sections of Electric Rags II are designed to be played in a random order. Unfortunately, they are grouped together in only 10 tracks on this compact disc (CD), denying the listener the full capability of sequencing the new versions.

The Rova Saxophone Quartet's extraordinary tight-and-loose performance yanks the listener from extremes of noise improvisation to meticulously composed and notated material, often within very short passages of time. The ensemble consistently sounds as though its members are in charge of

their performance, despite the fact that new and unpredictable formal decisions are being tossed at the players.

The use of the computer in these pieces is not always obvious, as it is used some of the time to conduct the ensemble. When the computer's participation is audible, its effects range from enormous swarms of sound to jagged rhythmic bursts to humble marimba-like ostinatos heard beneath the ensemble. During these striking musical passages, it is often difficult to separate the live saxophone timbres from complementary synthesis and signal processing. At their best, the sound worlds created by en-

senione and electronic devices draw the listener in with their simultaneous familiarity and mystery.

Curran's multitiered exploitation of the computer system and live ensemble is a testament to his compositional vision, which is neither enamored with the use of computer systems nor negligent of their capabilities. He succeeds brilliantly in the synthesis of opposites: determinate and indeterminate structures, live and inanimate intelligence, composition and improvisation, spontaneity and predilection. Electric Rags II is a haunting and powerful piece, superbly performed by the Rova Saxophone Quartet.

#### KARYA [create]: COMPOSITIONS

by I Wayan Sadra. Distributed by the American Gamelan Institute and Frog Peak Music, Box A-36, Hanover, NH 03755, U.S.A., 1990. Cassette, \$10.00.

Reviewed by Kent Devereaux, California Institute of the Arts, Valencia, CA, U.S.A

Over the past several decades, many in the West have become conversant with the musical traditions of Indonesia, the Balinese gong ensembles and Javanese gamelan especially. More recently, the appeal of 'world beat' and the availability of good-quality recordings of Sundanese gamelan degung and the popular dance music jaipongan has spawned at least a passing interest in the musical styles of other parts of Indonesia.

kindled ethnic identity. itself apart under the pressures of rekeep Indonesia from literally pulling central government, in an effort to moted, along with nationalism, by the ture', the presence of which is prothe formulation of a 'national culan awareness of regional diversity and throughout Indonesia has led to both nence of cassette recordings riad of musical styles, both 'tradi-tional' and 'popular'. The promidiverse ethnic origins, there is a myprised of over 180 million people of world, and, with a population comlargest cassette industries in the Indonesia is home to one of the

Many of the distinctions between 'traditional' and 'contemporary', and 'high' and 'low' culture, commonly accepted in the West, are only now being played out in Indonesian society. These customary Western divisions, as well as the corollary associa-

with successive generations, did not exist in Indonesia before developmental pressures, both indigenous and Western, forever altered the cultural landscape. Native musical traditions were based, for the most part, upon recontextualization, not invention; upon community, not autonomy. Music maintained its vitality through a seamless adaptation of the past to the needs of the present.

of Indonesia. formulation of a new musical image poser I Wayan Sadra (born in 1953) music of contemporary Balinese comabbreviated, introduction to the been infrequent. This enjoyable, if temporary' music from Indonesia has the domain of the undesecrated innosatisfy their notions of Indonesia as ize' Indonesian artistic practice to Dutch and now American, to 'oriental tendency of Western scholars, first is a welcome contribution to the re-Given this situation--the opportunity to hear 'con--as well as the

intermingling of Portuguese, Javanese form known as kroncong, with its arose as a response to the stately, reprimarily from popular music. The nonindigenous musical influences, and through the incorporation of tion has occurred both through the ity in Indonesian musical life. Innovathat has been responsible for the vitalfact, it may be ongoing innovation tion in Indonesia is hardly new; in and Hawaiian influences. strong nationalistic associations, is an instrumentation; even the musical bines electric guitars with indigenous the West Javanese city of Cirebon comthe musical genre known as tarting in bracing popular dolonan melodies; gamelan was profoundly altered by emtranquility of the Central Javanese *pelegongan* and *gong gedé;* the serene posed quality of the Balinese gamelan frenetic, virtuosic style of gong kebyar 'modernization' of traditional genres The phenomena of musical innova-

In similar fashion, Sadra's six selections on Karya [create] combine the musical conventions of disparate functional genres throughout Indonesia in often peculiar and startling combinations. On "O-A-E-O" the punctuating sounds voiced by male singers in Java and Sunda (alok, keplok and senggakan) form an evocative ostinato ground for the emotive wailing of the female vocalist. Sadra combines voices, ketipung (Javanese drum), rebana

percussion (flexitone) into a succinct, haunting lament.

locking patterns) shattered only by rapid kotekan (intervocals produces a seductive ambience phonic relationship with the female dition of the Western violin in heterobases for Sadra's exploration. The ad-Javanese vocal practices, form the prayer in Hindu, Buddhist and sacred singing and mantra, a type of linese roots. Zikir, a style of Islamic matra-and the composer's own Bamatriarchal people of Southern Su-Minangkabau—a primarily Christian dissimilar musical traditions of the kabau and Bali) borrows from the "Miba" (a contraction of Minang

style is performed here on Javanese Javanese ensemble. The rapid *ketokan* music is reinterpreted on the teristic of contemporary Balinese rhythm of the muted gongs characdynamics and the punctuating tion of moods and tempos, expansive gong ensembles to the Central Javanese orchestra. The rapid alternatechniques fundamental to Balinese Sadra transfers many of the idiomatic large Central Javanese court gamelan. tone) and pélog (seven-tone), of the of the two tuning systems, slendro (fivemusical treatment and a combination 14 minutes) is both an exploration of basis of the modern Balinese *kebyar* interlocking figuration that forms the "Sekitar 12-14 Menit" (Around 12 to

The remaining three selections are all dance compositions. "Aku" (familiar Javanese for 'I') is a programmatic piece performed here by a poet, street singers, students and faculty of the Indonesian College of the Arts (STSI) in Surakarta; instruments include rehana, Balinese suling (flute), European flute and violin, and Javanese drums. "Aku" alternates between a mercuric melodic monody reminiscent of South Indian classical music and the dramatic recitation of Indonesian poetry set to the faint murmur of the ostinato filigree of flutes and violin.

"Buka" (Introduction), a peaceful setting for Central Javanese pélog gamelan and voices, is the introductory music for the dance "Portrel" (Portrait), choreographed by Yefianofa. Music from another section of the same dance, "Chi" (You), combines a Balinese slendro tuning with a fivetone Chinese tuning. The combination of Balinese suling, European

phonic fashion creates an evocative and plaintive statement.
The live passages on this cassette

איחוויו שווח אווושוז רוזחו חא זוו וובובוח.

ווש זבוחוזובח וה חוב זהוח הד רושפורש

The live passages on this cassette are clear and well balanced, if limited by their technologically simple recording media. In contrast, the recording quality of "Sekitar 12–14 Menit", completed by the staff of STSI, is overmodulated in several places.

#### CROSSINGS

by Alvin Lucier. Lovely Music, Ltd. LCD 1018.

#### DIGITAL MUSIC

by Emanuel Dimas de Melo Pimenta. Mode Records mode 21.

Reviewed by Tim Perkis, 1048 Neilsen, Albany, CA, U.S.A.

explorers, akin to the heroic stance. rather than in a traditional concert in gallery or installation settings times their work would be presented taken by visual artists. In fact, oftensocial role for composers as solitary these musicians also articulated a new ing often as composers/performers, physical properties of sound. Worklargely been about redefining music in terms of a meditation upon the line Oliveros and David Behrman, has David Tudor, Gordon Mumma, Paulike the work of his contemporaries simple idea and stick to it. His work, prime edict of minimalism: find one Lucier has taken most seriously the to public attention in the 1960s, Alvin Of all his contemporaries who came

brick wall in Still and Moving Lines of has explored the acoustic properties teapots and a canoe. he has used ice, water, briefcases, drawers in *Job's Coffin;* in other pieces 80-foot-long steel wire in Music on a Silence in Families of Hyperbolas, of an He has explored the response of a nances with the simple sine oscillator. of various objects by driving their resolast 25 years, one strand of his work ideas has worked out well. Over the phenomena as clearly as possible. In or her work to present nearly natural space or sound—can merely focus his the artist-whether working in light, self provides infinite interest, and that the minimalist faith that the world it-Long Thin Wire, and of a chest of Lucier's case, this most American of Lucier's work has been built upon

With the pieces on this disc, Lucier

middle C. tor," the oscillator is just fixed at Four Strings and Pure Wave Oscillapiece; in "Septet for Three Winds, slowly sweeping up throughout the small orchestra, the oscillator is very the pieces, "In Memoriam Jon Higgins" for solo clarinet and "Crossings" for that never varies in volume. In two of against a fixed sine-wave oscillator ists play sustained tones or chords are based on one trick: instrumentalthree pieces reproduced in Crossings classical Western instruments. All tic phenomena to works for players of with standing waves and other acousway, bringing his decades of work musical practice in an idiosyncratic

experience. find it an unpleasant, even nauseating this is a warning: some listeners may music. The results are fascinating, but heard in normal life or in normal unlike anything one is likely to have localization apparatus. The effect is hallucinations in the brain's soundeffects are caused by breakdowns and certainly, some of the perceptible ing to happen right in the ear—and, has the remarkable property of seemcome indistinguishable. The sound head or moving across the room belistener swallowing, moving his or her music and changes caused by the difference between changes in the of this music. At a certain point, the tone and the players form the heart other interferences between the sine The combination tones, beatings and waves cause a strong trance effect. physiological: the unrelenting sine The impact of these pieces is

is the most remarkable. In Lucier's Memoriam Jon Higgins" was written the clarinetist for whom "In body of this music. Tom Ridenour, subtle transformations that are the well, and ably carry out the slow and The performers meet this challenge cians to control their instruments. tion and skill required from the musiaware of the extraordinary concentraon a new delicacy, as we become sense of heightened attention takes the chief listener. In these pieces, that through the space, exploring and set-ting a standard for the audience as Lucier himself, who was often moving gained power from the intensity of Lucier's live solo performances always viously demand from the performers. tense concentration these pieces obpower in this music, rooted in the in-But there is another beauty and

changes has obvious consequences, and Ridenour's playing, consisting of long, precisely pitched tones, bathes the music in an aura of attention.

Emanuel Dimas de Melo Pimenta is of a younger generation of composers, strongly influenced by the works and life of John Cage and by the possibilities inherent in computer technology. Pimenta is a Portuguese architect in his 30s, who is also a composer. He has worked with Cage, and Cage's influence permeates the work. In fact, if one imagines a body of work built upon the implications of Cage's early computer-music collaboration with LeJaren Hiller, HPSCHD, then one gets a pretty good idea of the ground Pimenta is covering.

this texture. whatever they will into the depths of will be able to find, or project, the acoustical field so that listeners texture complex enough to energize that the composer is trying to create a with his music here: there is a sense liner notes, I hear a strong kinship field for aural hallucination. Although like Lucier's work, provides a certain lush, jangly, complexly textured, and, the point in this music: the music is at all. Development is clearly beside simple arch structures if they develop long, very static spaces, which form Xenakis in not mentioned in the The pieces are architectural, all

of Pimenta's vision is palpable. seems to be: the power and integrity dling, as too much computer music This music is not mere technical fida really spooky and powerful presence. There is something like demon conjuring in this piece, the invocation of clichés we have been hearing lately. above any of the sample-manipulation what Pimenta does with it is a cut comb, has a certain totemic value, but voice, like Einstein's brain or Elvis's ings of the voice of Caruso. This disk, is "Rozart", which uses recordone of the strongest pieces on the sized. The notable exception, and pieces seems to be completely synthe-The sound material for most of the

#### SMALLTALK

by Paul Lansky. New Albion Records, 1990.

Reviewed by Nick Didkovsky, 171 East 99th St., Apt. 20, New York, NY 10029, U.S.A.

Smalltalk is an easily digestible collec-

and electric guitar, respectively. solo improvisations on harmonica So Heavy Metal" are based on recorded conversations, "Guy's Harp" and "Not The compositions "Smalltalk" and tion of four computer-created pieces. "Late August" are based on recorded

slip in and out of consciousness. to hear such uninspired and lightcally interesting project, I was surprised a piece of music. As this is a theoretiand uses this information to abstract tion from the recorded conversations pitch, rhythm and contour informalocutors. Lansky's software extracts listener, Barely audible conversations point background-drones lull the left to right in light flurries. Pedalpitches dance and dart about from weight music result. Sweetly timbred August" is based on two Chinese inter-Lansky and his wife, while "Late of household chitchat between Paul "Smalltalk" is rooted in a recording

data from the original conversations indices into a table of preselected were used at all, except, perhaps, as leaving me to doubt whether pitch notes ("Smalltalk" begins in D major) the pieces is chosen from familiar The pitch material used to build

> thirty-second notes and quick arpega soundworld of sixteenth notes, pitch choices, Similarly, the durations gios. These are hardly the durations of language. versations seem quantized to produce used to carry the phrasing of the con-

a composer's esthetic decisions they were spoken. This is a case where anything about the nature of the conposer or listener has really learned so far removed from the original source material, I doubt whether comsubsist in a pseudoscientific haze. of English differ from Chinese, I would vestigating how the pitch and contour was at least a little bit interested in in-If not for Lansky's own claims that he and potential of his source material. completely overwhelm the subtleties versations or the languages in which have no objection to his overpowering his subjects. As they stand, the pieces Since Lansky's musical material is

harmonica swirls and vortices. "Not moments of computer-generated performance, with a few exhilarating timbre of Guy DeRosa's harmonica Metal" complete the compact disc. "Guy's Harp" stays true to the gritty "Guy's Harp" and "Not So Heavy

> оо пеачу менат апентры по виши а devoid of intensity, guts or emotion, into a rhythmic accompaniment the music to a climax by breaking moment, the computer tries to force guitar solo. In its most embarrassing piece from a Steve Mackey electric where musical styles can be approbeing or not being a giraffe) reveals a being 'heavy metal', than it does with with being 'heavy metal', or with not ful appellation (it has no more to do bounce around the guitar, obediently following its I-IV-V's. The piece's painas Lansky's squeaky clean sonorities stood on some glib intellectual plane. kind of insular academic myopia, priated and purported to be under-

Heavy Metal" suffer from lack of understanding. music-as-data, lacking in vision and sented with nebulous, overly idiomatic solo performances. Instead we are preharder to create powerful individual cians should have been pushed much ymous with a musical style. The musiclichés mistakenly become synondepth; here, a series of improvised Both "Guy's Harp" and "Not So

# Recommended/Further Readings

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#### Computer Music:

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### Meta+Hodos & META Meta+Hodos

James Tenney. Frog Peak Music, Hanover, NH 03755, U.S.A., 1988

#### New Forms of Musical Experience Mind Models:

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Toward a Semiology of Music

Jean-Jacques Nattiez. Carolyn Abbate,

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Raymond Kurzweil. MIT Press, Cambridge, MA, U.S.A., 1990. 565 pp., illus. Trade, \$39.95. ISBN: 0-262-11121-7.

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David Rosenboom, ed. Aesthetic Research Centre of Canada, Vancouver, B.C., Canada, 1976. 162 pp., illus. Trade. ISBN: 0-88985-002-X.

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Harry Partch. Thomas McGeary, ed. Univ. of Illinois Press, Champaign, IL, U.S.A., 1991. 487 pp. Trade, \$44.95. ISBN: 0-252-

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Max V. Mathews and John R. Pierce. MIT Press, Cambridge, MA, U.S.A., 1990, 400 pp. Trade, \$40.00. ISBN: 0-262-13241-9.

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#### Next Tone Please

John Bischoff. Frog Peak Music, Box A-36, Hanover, NH 03755, U.S.A. Cassette.

#### Unit 23

Larry Kucharz, American Composers Edition, 170 W. 74th St., New York, NY 10028, U.S.A. \$16.00. CD.

### Wind Peace, For Thom Miller, Rising

David Mahler, Frog Peak Music, Box A-36, Hanover NH 03755, U.S.A. Cassette.