COMPOSING AFTER CAGE

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Abstract

This thesis aims to identify and explore the ideas of John Cage, then looks at their impact on and absorption by a variety of American composers. This in turn provides the context for my own compositional work which forms the main substance of this submission and which is presented on compact disc (accompanied by indicative scores). The source material for the second half of the thesis comes largely from my own book of interviews with composers, American Originals (co-authored with Nicola Walker Smith), which is included as an appendix.
Acknowledgements

I should like to acknowledge the generous support of The University of Huddersfield which enabled me to meet many of the composers discussed in this thesis at first hand. I should also like to thank Dr. Michael Clarke for his guidance, Professor Gavin Bryars for encouragement above and beyond the call of duty, Martyn Harry of Sony Classical and Jane Feaver of Faber and Faber.
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COMPOSITION SUBMISSION:
on compact disc, fifteen wild decembers
on compact disc, black flowers
(both accompanied by indicative scores*)

Appendix

*The indicative scores were printed from the MIDI software (CUBASE Score) used to compose the music for the recordings. They are not intended as performance scores (the recordings themselves form the composition submission) and suffer from all the shortcomings associated with software designed as a compositional rather than notational tool. Nevertheless, I believe they offer a useful accompaniment to the recordings for the purposes of this examination.
1. Cage as Liberator


There can be few twentieth century composers about whom more has been written, in both specialist and popular literature, than John Cage. This criticism continues to span both the insightful and the sensational but, in almost all cases, those writers who address the question of Cage’s musical origins do so with little unanimity and thus a variety of historical perspectives have been drawn. Virgil Thomson, for example, casts him as the heir of the Futurists, the artistic movement initiated by the poet Marinetti in 1909 and applied to music in 1912 by the composer Luigi Russolo who believed that all noise should be regarded as potential musical material. Yet, for all the common ground Cage and Russolo shared in seeking to widen the definition of ‘music’ to include noise, it is an over-simplification to suggest that Cage merely followed out the Futurist noise principle as a career. This ignores a fundamental conceptual difference in that, whilst the Futurists aimed to systemize and regulate the sonic spectrum, Cage’s concern was ‘to let sounds be themselves rather than vehicles for man-made theories’. This, in turn, is hardly the sentiment one would expect of a one-time pupil and votary of Schoenberg although it has been speciously argued that the two composers belong to the same tradition of a goal-less, objective music. Wim Mertens, for example, writes of an ‘anti-dialectic’ trend that stemmed from the ideas of Schoenberg and which reached its culmination with John Cage...!

However, the search for historical continuity has led other writers to quite different conclusions. According to the New York Times critic John Rockwell, for example, Cage was another eccentric pioneer following Ives, Cowell, Partch and Ruggles in the struggle for

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American aesthetic autonomy, a group whose virtues "are the virtues of America itself."\(^4\) By contrast, Christopher Butler\(^6\) has drawn an evolutionary line from Debussy through Varèse to Cage even though Cage's own regard for Varèse (who believed his own finished work was anything but "experimental") was often negative. For Cage, the relevance of Varèse was that he too embraced noise but this is the only connection (however important) that he acknowledged: in many other respects, he regarded him as "an artist of the past."\(^7\) It seems inappropriate then to exaggerate this link and regard Cage as the torch-bearer of Varèse. One ought not to assume, for example (as H. Wiley Hitchcock does\(^8\)), that Cage's use of variable-speed phonographs, tin-cans and wire coils was directly inspired by the sirens and anvils of Varèse for, as Cage himself has explained,\(^9\) his percussion orchestra used unconventional instruments not to follow the lead of Varèse but because they could not afford to rent timpani, woodblocks or tam-tams. And when asked in an interview in 1968 whether his percussion music was guided by Varèse's example, Cage replied, "To tell the truth, it didn't happen that way'.'\(^10\)

Butler suggests that we need a sense of evolution and continuity to 'preserve us from having to treat the new work as somehow totally unexpected',\(^11\) a response that seems to confirm Marshall McLuhan's belief that we "look at the present through a rear-view mirror".\(^12\) Yet, whatever the psychological reasons, any attempt to contextualize Cage in an historical overview of precursors and influences is bound to fail as the Zen Buddhist ideas that motivated him for over forty years challenge the very tenets (such as linearity and causation) of such an approach. Cage's study of Zen was extremely important to him and in 1961, he wrote:

\[^*\] J. Rockwell: All American Music - Composition in the Late Twentieth Century (New York and Toronto, 1983) p48
\[^{*\*\*}\] J. Cage: Silence p84
\[^{\*\*\*\*\*}\] Ibid., p73
\[^{\*\*\*\*\*\*\*}\] M. McLuhan & Q. Fiore: The Medium is the Massage (New York 1967) p19. Cage championed the work of this sociologist for many years.
'Without my involvement with Zen I doubt whether I would have done what I have done.' Obviously then, one cannot hope for a real understanding of his ideas without some knowledge of this branch of Buddhism but if it were also considered when attempting a causal explanation of his origins, then it would show that such an approach was not only inappropriate but impossible.

Fundamental to Zen Buddhism, for example, is the idea of interpenetration which maintains that all events and all things are interrelated and transcend causal explanation so that 'to explain something means, ultimately, to show how it is connected to everything else.' This idea helps us to understand Cage's denial of linear notions such as 'influence' and his statement that 'we live in a field situation' where one becomes aware of the past only through one's own work. For example, he became interested in Ives' early use of indeterminacy through his own later work and, similarly, on reading Thoreau's Journal, he discovered '...every idea [he'd] ever had worth its salt.' Morton Feldman also realised that 'if there is a connection to be made with history, it is after the fact and can perfectly be summed up in the words of de Kooning, "History doesn't influence me, I influence it".' This non-linearity, characteristic of Marshall McLuhan's new world of 'all-at-once-ness', is fundamental for an understanding of Cage's ahistorical position.

Of course there is much cynicism, particularly in the West, of anything that cannot be grasped by linear concepts and to deny the reality of causation seems absurd. It is not, however, a mystical idea shared only by Buddhists and a handful of individuals with an exotic interest in the Orient, but one that is corroborated by relativistic physics which conclude that ours is a 'multidimensional world which contains no straight lines..., where things do not happen in sequences, but all together.' Cage, with characteristic lightheartedness, explained thus: "...a group of scientists have begun thinking, as Buddhists do, that everything causes everything else - it's called the Butterfly Effect. Apparently, some butterfly in China waves its wings and causes something else!'!!

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*J. Cage: *Silence* pxi
*J. Cage: *A Year From Monday* (London, 1968) p41
The musical implications of this denial of the notion of line were many and can best be illuminated with further reference to Zen Buddhism as the concerns of Cage (from around 1948 until his death) were inextricably linked with those one finds in Zen. Common and fundamental to both, for example, is a mistrust of the intellect and its linear expression of dualistic thought. Alan Watts suggests that these linear thought processes are partly a result of the alphabetic nature of the language that articulates them. By representing experience through a sequence of letters, the western mind perceives "...an abstract, one-at-a-time translation of a universe whose concrete reality always escapes perfect description in these terms." An alphabetic language transforms events into static entities whilst 'experience is continually flowing, dissolving and reforming them'. (By contrast, the Chinese language is largely ideographic and, though still linear, contains words that can function both as nouns and verbs and thus allows the Chinese mind to perceive objects as events, entities as processes.)

It is our language, according to Marshall McLuhan, that has separated us from reality: 'Until writing was invented, man lived in acoustic space: boundless, directionless, horizonless, in the dark of the mind, in the world of emotion, by primordial intuition, by terror.' James Joyce was similarly aware of language's compromise and believed that one cannot deal with reality in clear, concise terms for 'to be real is to be surrounded by mystery'. To Cage, clear messages implied government and the military as these are reflections of the alphabet's technique of transforming experience into uniform, repeatable and controllable units and thus even the most revolutionary pronouncements, if they rely on language, can have no effect: "...we need a society in which communication is not practised, in which words become nonsense as they do between lovers, in which words become what they originally were: trees and stars and the rest of the primeval environment. The demilitarization of language: a serious musical

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22 Whilst recognizing the singularity of all things, Buddhists believe that relative distinctions such as 'good and evil' or 'life and death' belong to an all-embracing unity: "...above each pair [of opposites] is the apex of the triangle, a point of consciousness which includes and absorbs these pairs". [C. Humphreys: A Western Approach to Zen (London, 1985) p55]
24 Ibid., pp27-8
According to D.T. Suzuki (whose lectures on Zen Buddhism Cage attended from 1949 to 1951 at Columbia University), one's aim in Zen is to go beyond dualistic thought and restore the experience of primeval inseparability from nature and reality. This re-unification with nature was very much the aim of Cage who based much of his thinking on Ananda Coomaraswamy's quotation of St. Thomas Aquinas on the function of art: "ars imitatur naturam in sua operatione". The Zen artist, for example, "...proceeds by way of opening his eyes to a like spiritual essence in the world of Nature external to himself." This is an intuitive art in which 'no least stroke of the brush can be erased or modified; the work is as irrevocable as life itself.' Here, the act of creating is the form as "...form only comes/ into existence when/ the thing is born".

Enlightenment or reunification with nature is, however, contingent upon the transformation of the ego into a 'pervious organ of life'. Like the Zen artist, Cage believed that perfection could only be achieved if he died to himself and became one with reality, rid of his ego. This 'precogito' state, where the mind functions intuitively, is known in Zen as 'nomindedness'. As Alan Watts explains, however, this state is not one of 'moronic vacuity' but rather one that induces the mind's 'innate and spontaneous intelligence by using it without forcing it'. For the Indian philosopher Krishnamurti, this state of 'no-mind' distinguished the ability to express an idea from true creativeness 'in which the mind is no longer a focus of our experience, our ambitions, our pursuits, and our desires...'.

Cage realized that this egoism was partly due to a specific characteristic of

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26 Ibid., p184
28 Ibid., pp40-41
29 Ibid., pp41-42
30 C. Olson: The Maximus Poems (New York, 1960) p4
31 Buddhism denies the reality of the 'ego' or 'self' generally believed to constitute the basis of every individual and to be the one constant amid a life of change. Zen Buddhists see the idea of a permanent ego as simply another intellectual concept born of a fear or denial of change.
our language. In his DIARY: HOW TO IMPROVE THE WORLD (YOU WILL ONLY MAKE MATTERS WORSE) CONTINUED 1973-1982, he explains:

...English pronoun
It's always capitalized, no matter where in a sentence it is.

Microbiologist (Japanese) said: Go East;
in Germany ich's never capitalized except when it begins a sentence; in Russia you can use I or let it go, as you choose; in the Far East - he made a gesture upwards with his hands word for I has disappeared.**

But this, according to Cage, was only one of our language's failings. He felt that syntax, for example, rationalizes reality and that the resultant demystification deadens us to experience. In his mesostics,** he aims to 'demilitarize' language by using a means of writing that avoids syntax and produces words free of intention. To not understand is essential and herein lies the essence of the Zen ko-an, an irrational riddle intended to spring the follower into spontaneous enlightenment: 'I really think it's important to be in a situation both in art and in life where you don't understand what's going on ...where you're bewildered. [...] If you're not in such a situation, you find yourself dealing, so to speak, with dust for which you have no use'.***

Cage enjoyed the freedom of non-sense and felt neither words nor sounds need be used for communication. He regarded the expression of ideas and feelings through sound as self-aggrandizing: '...the most that can be accomplished by the musical expression of feeling is to show how emotional the composer was who had it. If anyone wants to get a feeling of how emotional a composer proved himself to be, he has to confuse himself to the same final

** J. Cage: X - Writings '79 - '82 (Connecticut, 1983) p155
*** In mesostics, a word is defined vertically on a central axis. Cage usually chooses material from a pre-existing text by working through it chronologically. If the axis contains a 'J', then the first word containing a 'J' is selected from the text. If the next axis-letter is an 'A', however, a word in the text that contains both a 'J' and an 'A' cannot be chosen.
extent that the composer did and imagine that sounds are not sounds at all but are Beethoven
and that men are not men but are sounds'.

Similarly, to appreciate a composer's musical ideas, it is necessary to mistake sound for something to look at rather than hear and thus we have come to know music through the filter of notation. But as Marshall McLuhan explains, 'The rational man in our Western culture is a visual man' even though, according to the scientist-philosopher Buckminster Fuller (whose work Cage admired greatly), man can see only about one-millionth of universal reality. Cage, however, refused to bind sounds to any visual abstraction and always aimed to let sounds 'be themselves': 'sounds don't worry about whether they make sense or whether they're heading in the right direction. [...] They are, and that's enough for them. [...] A sound possesses nothing, no more than I possess it.'

Whereas other composers express themselves by drawing from a pre-existent body of generally-accepted, communicative means, Cage did not regard music as a language and is, in Roger Reynolds's terms, a 'searcher' rather than a 'maker', as his intention is to reveal music rather than create it, to give the listener opportunities for unfamiliar experience rather than convey messages or offer distraction. As Morton Feldman points out, the emphasis could no longer be on compositional construction if the sounds were to exist in themselves rather than as 'symbols, or memories which were memories of other music to begin with'.

Rather than saying something with sounds, Cage was simply doing something and preferred to leave any possibility of communication to the sounds themselves.

As he became more involved with Oriental thought, he felt a shift in responsibility from 'making choices' to 'asking questions', from 'self-expression' to 'self-alteration', and he set about finding 'a means of writing music as strict with respect to [his] ego as sitting cross-legged'. This he found through the I Ching, an ancient Chinese book based on intuitive interpretations of hexagrams derived from the tossing of coins or, more traditionally, yarrow

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38 J. Cage: A Year From Monday p97
41 J. Cage: For the Birds p150
sticks. He applied its methods to determine the sonic parameters of his works to produce a music free of egoistic decision-making. The I Ching afforded him a means of locating a single one among a multiplicity of answers and, at the same time, of freeing the ego from its taste and memory. By subjecting each sound to question, there could be no continuity: believing that all things are already interrelated, Cage saw no need to forge or impose abstract relationships.

However, just as Thoreau believed that the universe is always wider than our view of it, so Cage came to regard his work with chance operations as simply another means of creating a known and finite world. Though he had removed any personal control over the sounds during their composition, his scores were still fully determined and thus did not offer the performer the same freedom as the composer: that is, to identify with 'no matter what eventuality'. That Cage had produced such a complex and closed work as Music of Changes (his first chance-derived composition) by freeing the sounds led him to regard the piece as Dr. Frankenstein did his monster and he sought a means of composing a music indeterminate with respect to its performance. This he did by continuing to ask compositional questions of the I Ching whilst leaving the performance of the answers open. For this step, Cage was accused of removing his self from his work ad absurdum but, as Roger Reynolds notes, though 'Less is given... more is offered'.

As Cage moved towards indeterminacy, he became less concerned with the conception of a work than with its perception and he began to realize that a work should no longer be 'an object distinct from ourselves, but an experience, an event, including the observer'. To emphasize to the listener that the hearing of a work is his own action seemed more consistent with the Zen idea of unimpededness, where every being is at the centre of the universe. This is a view again corroborated by contemporary science which has shown that the observer and the observed are inextricably linked. The observer is not passive: rather, he participates in and even creates what he observes. If reality comprises a plurality of unique centres, there can be no universal forms of thought or perception upon which a composer can

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44 J. Cage: Empty Words - Writings '73-'78 (Connecticut, 1979) p5
45 J. Cage: Silence p36
rely for communication as each listener's consciousness perceives experience differently. Cage no longer saw a need to conceive of and create a single, central focus in a proscenium situation as each person is such a centre. Thus, the listener rather than the composer brings structure into being and Cage saw his role simply as bringing each individual's structuring faculty actively into play. Here, the perceiver becomes part of the work which unfolds only 'through the presence of the perceiver - it is his presence which defines the art-work'.

This music demands a whole new approach to listening and Cage suggested that the 'wisest thing to do is to open one's ears immediately and hear a sound suddenly before one's thinking has a chance to turn it into something logical, abstract, or symbolical'. No music comes closer to the essence of Zen painting that '[grasps] the joy as it flies, the winged life that is no longer life when we have taken thought to remember and describe it'. Value judgments are irrelevant as, without intentional relationships, anything may happen. Indeed, just as there are, for example, no 'right' or 'wrong' constellations, Cage suggested there could be no 'right' or 'wrong' sounds as 'all things have equally their Buddha nature'. According to Cage, one must cultivate an attitude of acceptance, of 'no-mindedness' and welcome whatever happens next. Moreover, one must use every experience even if one finds oneself at a performance of a work of which one could be wholly critical. If, for example, one finds a piece of music boring after two minutes, Zen suggests one tries it for four. If it is still boring, one should try it for eight, sixteen and so on until it becomes interesting. As the composer-poet Dick Higgins writes, '[boredom] is a necessary station on the way to other experiences' and beyond the ego there can be no boredom. It is also necessary to listen with dispassion and realize that the attractive or unattractive qualities of things are without substance and so to ask whether or not a particular piece is interesting, is in itself uninteresting. When asked if he thought some pieces were better than others, Cage replied, 'Don't you see that when you get a value judgment, that's all you have? They are destructive to our proper business, which is

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51 J. Cage: A Year From Monday p98
53 J. Cage: Silence p143
54 D. Higgins: 'Boredom and Danger', Source - music of the avant-garde Vol.3 No.1 (January, 1969) p15
curiosity and awareness'.

He sees his work as 'an affirmation of life' and by re-introducing us to the very presence of sound he hopes, by analogy, we will re-discover the 'such-ness' of reality and 'wake] up to the very life we're living'. Feldman, too, sought to work with sound in a way that was 'more direct, more immediate, more physical just as his friend the poet Frank O'Hara aimed to write with 'no mediation of metaphor or symbol'. As the Russian critic Viktor Shklovsky wrote in 1917, 'Art exists that one may recover the sensation of life; it exists to make one feel things, to make the stone stony...'

Cage's concern, however, was not only to reveal and affirm reality but also to imitate the manner of its operation. The pluralistic universe of 'all-at-once-ness' could no longer sustain the narrative singularity or linear conveyance of information of past art. Like Marshall McLuhan, Cage realized that there is nothing linear or sequential about the total field of awareness that exists in any moment of consciousness and, through indeterminacy, he found a music that transcended the world of causation and the purpose it presupposes: his aim was to remove purpose in accordance with Zen Buddhism which teaches us to 'awake to universal mind and realise that there is nothing whatsoever to be attained'.

To Buddhists, the essence of life is change, and suffering arises when one resists its flow and attempts to cling to fixed forms. According to the Buddha, all things arise and pass away into the universal flux that is reality. This idea that 'things' have no material substance is again one that is corroborated by physicists who have come to regard particles not as matter but as dynamic processes. Philosophers too, such as Merleau-Ponty, have found that 'perceived things...are not bounded entities whose laws of construction we possess a priori, but that they are open, inexhaustible systems...'. Thus, Cage felt that art could be useful in drawing our attention to this process and so rather than creating fixed musical objects that

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65 J. Cage: Silence p12
67 Ibid., p12
68 F. O'Hara quoted in M. Perloff: Frank O'Hara - Poet Among Painters (Texas, 1979) p23
69 V. Shklovsky quoted in Ibid., p19
62 The Huang Po Doctrine of Universal Mind tr. Chu Ch' an (London, 1947) p17
represented fully determined worlds unto themselves with their own internal order, he aimed to create opportunities for experience that would accommodate multiple views of reality and reflect and embody the open nature of its process. As the composer and theorist Thomas DeLio writes in his excellent study of open-form music, 'rather than representing form as an entity ontologically prior to process, the open structure treats process as ontologically prior to form. [...] Ultimately, both the work and the world emerge not as circumscribed objects but as circumscribing events...'. Thus, the musical events in Cage's open works are only related in that they are contemporaneous and he would not presume to impose relationships above and beyond this. Rather, he feels that his role is simply to 'brush information against information, it doesn't matter what. By that brushing we will be made aware of the world which is itself doing that'.

Cage did not deny the validity of fixed musical objects but, through the rich and complex processes his scores set in motion, he hopes to show that although the various elements that may be incorporated are uniquely themselves, they interpenetrate into one. Thus, he regarded past musical literature, for example, not as art but as potential material for new work and suggests that rather than taking a Mozart sonata seriously in its own terms, it would be more useful to incorporate it into the processes of new and open compositions for, as in life, even the most sanctified of objects must surrender to the process.

Cage believed that to respond emotionally to music is to respond dualistically and thereby emphasize the ego and separate it from reality. Although he did not deny emotions per se, he believed it was vital to feel sadness, for example, 'in a way that you can then let it drop'. Thus, when asked after a performance of Handel's Messiah if he liked being moved, he replied, 'I don't mind being moved, but I don't like to be pushed'. Emotions are too personal, he believed, to be imposed on others although they can be incorporated into his enlarged musical processes for, as he explained, they can do so 'without determining the nature of that situation'. They are carried along in the flow and cannot then receive undue

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44 T. DeLio: Circumscribing the Open Universe (Washington DC, 1984) p3
45 J. Cage: For the Birds p194
46 J. Cage: Ibid., p56
47 Quoted in C. Gagne & T. Caras: Soundpieces - Interviews with American Composers (New Jersey, 1982) p79
48 J. Cage: For the Birds p145
attention.

These works reflect the Buddhist idea of ‘plurality in one’ where all things belong to an all-embracing unity beyond dualism. This concept is central to Cage’s philosophy and led him to declare in 1966 that ‘The boundaries have gone...’.

In a world where ‘what you see, framed or unframed, is art...[and] where what you hear on or off the record is music...’ all distinctions disappear. Not only did Cage reveal the unity beyond the dualistic concept of sound versus silence, he also unified art and life by creating a music that was no longer ‘spoilt’ by ambient sound but which embraced it as material (his ‘silent’ piece, 4’33” for example). In the same way, the white paintings of Robert Rauschenberg (a close friend of Cage’s) are not objects that can be ‘spoilt’ by shadows but open works that embrace their changing environments.

Cage excluded nothing from his work, and not only are noises and dissonances welcome in his music, but ‘so is the dominant seventh chord if it happens to put in an appearance.’ As the American composer Ben Johnston noted, one cannot deny the multiplicity and interpenetration of today’s musical world ‘in which Machaut, the Beatles, Wagner, Ravi Shankar, Pete Seeger, Bach and Xenakis meet... This musical world, too, is proof against any takeover by such exclusive points of view as tonality, serialism, indeterminacy...’

Though Cage was aware that ‘To affirm or deny is to limit,’ many European avant-garde composers seemed less so and indeterminacy became another ‘point of view’ when it was adopted as another means of control.

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66 J. Cage in R. Kostelanetz: John Cage p29
67 J. Cage: M pix
68 After spending some time in an anechoic chamber at Harvard University where he heard his nervous system functioning and his blood flowing, he concluded that there was no such thing as ‘silence’.
69 Cf. Catalogue of the Tate Gallery exhibition of R. Rauschenberg, 1981 (unpaged)
70 J. Cage: Silence p11
differentiates the avant-garde's use of indeterminacy from the wholly open approach of Cage. He was not concerned with 'prescribing a defined time-object' where all the elements are calculated and arranged a priori but with outlining a situation, 'a field delineated by certain compositional "rules".' Boulez, however, introduced indeterminate elements into his music whilst 'respect[ing] the finished aspect of the Occidental work'. Similarly, Stockhausen regarded indeterminacy not as a way of perceiving, reflecting and embodying the open nature of reality but as an 'expansion of the traditional concept of organization'. He admits a degree of indeterminacy as a compositional technique only at one level and as long as the large-scale aspects of a work are ordered and determined.

It is sometimes suggested that Cage's ideas in particular and much American music in general represent a reaction to the intellectual complexity of much European avant-garde music. John Rockwell, for example, believes that American composers work 'in blissful ignorance of or defiant opposition to their European heritage'. However, not only is the concept of 'reaction' a dualistic one and therefore inappropriate here, but Cage's position was never 'anti-' anything for, as Marcel Duchamp points out (an artist much admired by Cage), 'whether you are anti or for, it's two sides of the same thing'. Disagreement amongst people working in the same field can, according to Cage, only 'weaken the activity of people in the field'. Aware that belief is divisive, his aim was always to promote an all-inclusive commonality for, as he said, 'An up-to-date aquarium has all the fish swimming together in one huge tank'. He hoped that the blurring of distinction would bring people together both in the musical world and, by analogy, in society in general. As he explained: '...the old idea was that the composer was the genius, the conductor ordered everyone around, and the performers were slaves. In our music, no-one is boss. We all work together'. This interpenetration, he felt, is partly due

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77 M. Nyman: *Op. cit., p3*
78 *Ibid., p3*
79 P. Boulez: 'Alea', *Perspectives of New Music* Vol.3 No.1 (Fall/Winter, 1964) p51
80 K. Stockhausen quoted in M. Williams Karlins: 'Freedom and control in twentieth-century music', *Tri-Quarterly* No.52 (Fall, 1981) p251
82 J. Goldberg: *The Bride Stripped Bare by her Bachelors* (London, 1973) p57
84 Quoted in P. Gena: 'Freedom in experimental music: the New York revolution', *Tri-Quarterly* No.52 (Fall, 1981) p238
85 J. Cage in R. Kostelanetz: *Conversing with Cage* p106
to the nature of technology, a force that is 'Orientalising the West' by unifying the separate and distinct into a 'global village' which does not discriminate between styles, cultures, space or time.

The idea of Cage and many American composers that we live in a non-linear field situation is one shared by few of their European avant-garde colleagues. The New York composer Philip Corner, for example, recalls being shocked by the attitude of Boulez that new work had to be a linear continuation from the past and that rather than making an open search of the field, one had to 'go in a straight line from what the past has done and make the next step'. This is a belief that Boulez has more recently reiterated: speaking of the need for an evolution of musical language, he continues, 'I am sure that as long as you haven't absorbed the history which comes before you, you certainly cannot go very far'. Cage also noticed that Schoenberg was not interested in a non-linear view of history but 'in Bach, in Beethoven, in Brahms and in Schoenberg'.

Virtues much valued in Zen Buddhism (and by Cage himself) are 'bewilderment' and a sense of 'non-understanding'. These enable Zen to shake off all religious, philosophical or indeed any conceptual definitions as it is a 'way of being' that cannot be understood intellectually, only grasped intuitively. Cage was equally averse to definitions for, in a world that is continually changing and where all things interpenetrate, 'it's quite clear...that nothing can be defined'. However, if any aspect of Cage's philosophy can be defined, it is this need to continually defy boundaries. In explaining the title of the first edition of his book of conversations with Daniel Charles (Pour les Oiseux), Cage declared that he is 'for the birds, not for the cages in which people sometimes put them' and when asked to sum up his convictions, '[Cage] put it like this: "Get out of whatever cage you find yourself in". The need to change and be constantly bewildered underlaid all of his ideas as, without 'non-understanding', one will always be confined by one's intellect. It was his aim to free sound from

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"J. Cage: 'On collaboration in art', Res No. 10 (Autumn, 1985) p103

"J. Cage: A Year From Monday p9

"J. Cage: For the Birds p11

"J. Cage quoted on the book jacket of R. Kostelanetz: Conversing with Cage
its use as communication, to free the composer from his 'self', music from linear notions of history and, finally, the mind from all intellectual limitations.
2. Cage as Catalyst: a commonality of individuals

'The question is no longer “Can we do it?” - that goes without saying - but “What do we want to do?”.’ Rhys Chatham in interview with the author (unpub. MSS, 1988)

Cage’s own highly individual musical style was, according to Christian Wolff, like a thunderstorm or the growing of grass, beyond imitation, and Robert Ashley has pointed out that Cage ‘never suggested that anyone ought to compose music using chance procedures’*. Cage himself believed that one could not ‘really know what, if any, effect our work has on others’** and that whatever function he may have performed is one that would have been performed in any case, as even the most novel ideas are ones ‘that one or other of us is about to have’.” The notion of his ‘influencing’ other composers seems inappropriate for, as Wolff points out, it is a notion involved with ‘the exercise of power and control’ and therefore could not have been further from Cage’s concern. He never held up his work to younger composers as a model of how to proceed, but aimed merely to stimulate activity and free composers from all limitations. As Yoko Ono* recalls, ‘What Cage did for us on an artistic level was to tell us that we were alright. That gave us an incredible sense of freedom and confidence’. The fact that many composers ‘got inspiration and encouragement from the direction he went but didn’t necessarily follow him** also suggests that it is more accurate to regard Cage as a catalyst for new ideas and approaches.

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*R. Ashley: ‘Just One Complaint’, A John Cage Reader p80  
***J. Cage in C. Gagne & T. Caras: Soundpieces p81  
****C. Wolff: ‘Under the Influence’, A John Cage Reader p74  
*****Although not known primarily for this, Yoko Ono was an extremely active experimental composer during the 1960s when she was involved with the New York-based Fluxus movement.  
******Y. Ono in interview with the author (unpub. MSS, 1988)  
*******Y. Ono in Ibid.
rather than as an influence. Cage explained thus: 'I think that what appears to be my influence is merely that I fell into a situation that other people are falling into. And what is so nice about this situation is that it admits a great deal of variety'. Indeed the post-Cagean field has been described as 'a complex mosaic whose integrative logic would seem to support a multitude of propositions' and the sheer diversity of the field cannot be overstressed.

Many composers remember their first encounter with John Cage during his lecture-cum-concert tours of the 1960s visiting academic institutions ‘like a hit-and-run driver’. For many, like George Crumb, that encounter was extremely important: ‘I was teaching at the University of Colorado and Cage came through to do one of his “events”. I was taken with his totally refreshing way of challenging the basic things in music we had never questioned. He was a liberating influence for all kinds of composers throughout the world, even composers one would never associate with his own very personal style’. Almost all of the composers in American Originals, for all their diversity of style, have expressed some debt to Cage as a ‘permission giver’, an inspirational catalyst who disarmed the system that might have stifled them. Both Steve Reich and Robert Moran, for example, studied with Luciano Berio at Mills College, California, in the early 1960s. For Reich, study with Berio was only useful in that it helped clarify for me that I had absolutely nothing to do with that tradition, which was basically the end of German Romanticism - through Schoenberg into Stockhausen and Boulez’. Moran remembers that there were ‘at that time far too many people sounding like Stockhausen and Boulez but luckily we passed through that migraine. What Cage did in music, besides throwing the windows open and letting the sunlight come in upon academia and the “concert-hall situation”, was to allow the sense of humour to come back into music. I know that having musicians bark like dogs is really off the wall, but why not? That was allowed - it was just as valid as any other sound, and it was so refreshing’. Another Californian, Harold Budd, remembers Cage’s university visit in the stifling climate of an imported European avant-garde: ‘Cage was the solution here - it just threw the avant-garde totally out of sync, it just

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108 J. Cage in R. Kostelanetz: Conversing with Cage p206
111 G. Crumb in Ibid., p98
112 S. Reich in Ibid., p213
113 R. Moran in Ibid., p198

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ruined it, which was the best thing that could have happened'.

These comments all point to a sense of relief gained from Cage’s Zen-inspired ideas that offered a release from notions of historical line. For Philip Glass, ‘the whole tyranny of history, the historical imperative of contemporary music, was demystified entirely... It simply didn’t matter anymore. If you took one step outside those institutions, it didn’t matter anymore. Of course, that’s what Cage was very good at... he was the only Western composer that hinted at that’. Reich, too, found the courage to step outside of that historical imperative: ‘Boulez said, “It’s historically necessary to write this way”. I felt, “Well just count me out of history then”. Glass continues: ‘contemporary music had become, from our point of view, over-institutionalized. You more or less needed permission to write music. The only one that gave you permission to write the music you wanted to was John Cage...’

Whether labelled as ‘experimentalists’ or ‘minimalists’, Cage inspired a generation of composers who, for all their stylistic diversity, were linked by a fundamental desire to rediscover the essentials of shared musical experience with little or no reference to European models or traditions. Just as George Crumb has ‘always believed that music doesn’t compartmentalize’, so Philip Glass regards post-Cagean composers as ‘a generation rather than a category’. He continues: ‘I mean, I like Phil Niblock’s music a lot but I don’t know what to call it. The same would be true of Terry Jennings or Meredith Monk or Robert Ashley - it’s not important’. Robert Moran, whose own music is often referred to as ‘minimalist’, does not ‘even know what it means. [...] We can thank journalists for words like ‘minimalism’ and ‘avant-garde’. When was the last time you heard someone say “I’m an avant-garde artist”? They don’t. They wouldn’t.’ Of course, as Terry Riley concedes, these terms are ‘easy handle[s] for people to recognize a group of composers that do similar things, but it certainly doesn’t acknowledge the individuality of its members’. Michael Torke also admits that ‘labels have

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106 H. Budd in Ibid., p56
107 P. Glass in Ibid., p127
108 S. Reich in Ibid., p214
109 P. Glass in Ibid., p134
110 G. Crumb in Ibid., p95
111 P. Glass in Ibid., p133
112 P. Glass in Ibid., p133
113 R. Moran in Ibid., p203
114 T. Riley in Ibid., p232
been very useful. If you talk about Impressionist painting, you're not confining Monet, you know that...his work transcends that.'

The 'isms' that have been used to compartmentalize music in the post-Cagean field more accurately refer to a common 'climate' rather than any clearly codified techniques. There is a huge stylistic difference, for example, between the Indian-inspired, just intonation, sine-tone drones of La Monte Young, and the pulsing, equal temperament arpeggios of Glass, two of the four composers often lumped together as the founding fathers of the 'minimalist movement'.

For Riley, 'minimalism' is simply 'not playing anything you don't have to. You can still get to the nerves and bones and fibres of what music is without great decoration'.

Riley goes on to characterize the post-Cagean climate as one of hope: 'The musics of Webern and Schoenberg were created during a time of very great distress on the planet...The influence of the very gnarled, anguished music continued on through most of the first half of the century in some form or other. [Then] there was a change in the climate, just before the 1960s - in my view the high point of the twentieth century in terms of really wanting to be free, to tear off the bonds of society which said you had to live a certain way or do certain things to be a valid individual'.

It was Cage who inspired a healthy coexistence of a multiplicity of viewpoints and gave countless individual composers the courage to cultivate their own musical identities with or without reference to the work of others. Whilst as a result the post-Cagean scene is strongly characterized by the highly personal styles of individuals, it is nevertheless a commonality of individuals. From Cage's belief that one should hear music as sound rather than language, through Alvin Lucier's refusal to complicate his processes with 'composerly intent', to Riley's re-assertion of music's fundamentals or Lou Harrison's 'not being afraid to make something pretty', all sought to re-affirm the primacy of sound over metaphor. Thus, of Philip Glass's generation, 'almost nobody talked about minimalist music from a theoretical point of view. [...] Part of the reason was that the generation older than us had done so much writing and talking that we were sick to death of it. [...] [But] it still goes on: I have volumes of Perspectives of

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On a recent trip to Holland, Glass 'was accused of betraying the minimalist movement. I never thought there was a movement to begin with...'. [P. Glass in G. Smith & N. Walker Smith: *Op. cit.*, p133]


New Music and you still see that kind of stuff. It created the idea that minimalism was an intellectual movement which wasn't the case at all - it was simply a generation that wasn't going to fall into the trap of talking more than doing'. And, as a student of Berio, Steve Reich recalls that 'I used to spend my evenings going to jazz workshops and hearing John Coltrane play. It was a wonderful counterbalance to sitting in a class with a lot of students who were writing music that had a lot of black ink on the page but they couldn't play it at the piano or hear it in their head. At night I'd go and hear someone pick up the saxophone and just play. It was a kind of moral choice'.

Cage also inspired the proliferation of extra-institutional composer-performer groups, so much so that the composer John Mizelle concluded in 1968 that it 'was rare to find a composer...writing really significant music but not associated and interacting with a group'. Gordon Mumma gives some idea of the scale of this proliferation, citing 'the Christian Wolff group in Boston; the international revolutionary group...Fluxus; the ONCE Group; the Foss improvisation ensemble; La Monte Young's Theater of Eternal Music; Jerry Hunt's Dallas Chamber Ensemble; the group around Charlotte Moorman in New York; the New Music Ensemble of Davis; the Musica Elettronica Viva of Rome; the Sonic Arts Group of New York City; Joseph Byrd's New Music Workshop,...the San Francisco Tape Music Center...'. Collaborative effort was needed, according to Cage, both in art and in life in order to '[bring] people and their energies and the world's material resources...together' and many experimental composers, such as James Fulkerson, came to regard music primarily as 'a social situation in which willing people interact'. If people could work together successfully to create music, then they could work together to create peace and plenty by taking advantage of synergy, an energy greater than the sum of several energies had they not been brought together.

Furthermore, just as Cage felt that it was possible to remove personal intention...
and expression by increasing the number of egos involved in a work's creation, so many of
these groups aimed to function as single organisms free of the ego's domination. Alvin
Curran, for example, of Musica Elettronica Viva (an American composer-performer group
based in Rome and founded in 1966) believed that collaborative effort could result in 'the
absorption of the self'129 and his colleague Richard Teitelbaum explains that, when the group
performed, individual identities vanished and 'we [were] all one'.130 According to Robert
Ashley (a founding member of the ONCE group and, later, the Sonic Arts Union), all music
ought to be collaborative as he finds 'the idea of a single vision, the idea of the "auteur",
inaesthetic with the demands of maintaining a mode of actuality'.128 Like Cage, Ashley aims
to draw our attention to or reflect the nature of reality where, as Cage would say, everything
interpenetrates, and for this reason, the majority of the new groups created mixed-media
work and 'tried to junk the notion of great communicable ideas'.139

The ONCE group, for example, which formed in 1963 as a touring, mixed-media
performance ensemble based at Ann Arbor in Michigan, comprised film-makers, architects,
sculptors, painters and theatre artists as well as composers. Interdisciplinary collaboration was
of course necessary in mixed-media work and the groups shared technical knowledge and
resources as well as creative ideas. Of particular significance to Gordon Mumma (a member
of the ONCE Group and the Sonic Arts Union), was the range of the groups' 'artistic,
technological, and social concerns, which generally surpass[ed] the more parochial
"establishment" projects'.130

Indeed, the formation of many of these groups was in many ways a reaction to
institutionalized music and the problems it posed for younger composers. The groups allowed
composers to function without intermediaries such as publishers, professional musicians,
orchestras, conductors, and perform their own work without having to rely on anonymous third
parties. The Sonic Arts Union, for example, was, according to David Behrman, 'a kind of
performing co-operative for unconventional performance and it felt good because we weren't

127 R. Teitelbaum: Ibid., p27
Appleton & R. Perera (New Jersey, 1975) p318

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asking anyone for any favours'.\textsuperscript{131} Glass feels this was an important aspect of the work of this generation of post-Cageans: '...we didn't have the institutional support, either financially or academically, and so we were a generation that evolved new places to play'.\textsuperscript{132} Independence was much valued by the groups although this often made for shaky financial existences. The San Francisco Tape Music Center, for example, which was founded in 1961 by Ramon Sender and Morton Subotnik and later directed by Pauline Oliveros, functioned solely on 'pooled, begged, borrowed and stolen equipment'.\textsuperscript{133} Lack of money, however, eventually led to the demise of these groups as the scale of their work was continually limited by financial constraints. As Robert Ashley explains, 'We were operating on exactly the same scale of ambitions as...Wagner, but we had no money and there was no money in sight'.\textsuperscript{134} Yet the idea of performing one's own music without the involvement of institutional intermediaries continued due largely, Ashley believes, to the work of Cage and David Tudor (Cage's lifelong performance colleague) - 'just amazing pioneers in inventing the idea of a personal music'.\textsuperscript{135} Of course the music of certain post-Cageans, most notably Philip Glass or Laurie Anderson, has enjoyed enormous commercial success, although the networks of interdependence established by the composer-performer groups of the 1960s and '70s continue to function informally and support the work of lesser known experimental composers.

Many of the composers in American Originals, such as Glenn Branca, Daniel Lentz or Meredith Monk, still present their work primarily through the activity of their own groups or ensembles. Certainly many of the composers prefer to work directly with performers whom they know and trust and with whom they can develop more meaningful and personal realizations of a work. David Behrman, for example, who writes largely indeterminate pieces using instruments in combination with interactive computer software, '[likes] to work out some situation where the music has an identity but the performer has a lot of opportunity to shape it, so the music that results has a lot to do with both personalities'.\textsuperscript{136} Much indeterminate music of course, such as that of Behrman, is difficult to adapt to score form for it is that very notion of

\textsuperscript{131} D. Behrman in interview with the author (unpub. MSS, 1988) unpaged  
\textsuperscript{132} P. Glass in G. Smith & N. Walker Smith: Op. cit., p135  
\textsuperscript{133} P. Oliveros: 'Groups', Source Vol.2 No.1 (January, 1968) p16  
\textsuperscript{134} R. Ashley in G. Smith & N. Walker Smith: Op. cit., p47  
\textsuperscript{135} R. Ashley in C. Gagne & T. Caras: Soundpieces p19  
\textsuperscript{136} D. Behrman in interview with the author (unpub. MSS, 1988) unpaged
fixing the identity of a piece that his work eschews. Meredith Monk, for example, feels that 'in Western culture, paper has sometimes taken over the function of what music always was. I feel that my music is between the barlines: what is really happening is underneath the page, and I don't know how to deal with that.' Behrman also aims to create a music 'that isn't frozen, that's different, that changes... You don't just want to make complicated scores - you want to make something that's almost alive'. This is a view shared by James Fulkerson who tries to blur the distinctions between composer and performer in his music as he feels that it is 'important that people can really react in a situation and make a mutual creation'. The performer is no longer simply told what to do by the composer - he collaborates with him, and the process is completed by the creative involvement of the listener who is equally liberated to perceive the work in his own way rather than in the composer's. The New York composer Phill Niblock, for example, is not interested in telling performers or listeners what to do, but 'in making pieces which everyone can have a different reaction to, or a different perception of'. To use Cage's terms, the music does not 'emerge' but the perceiver 'enters in'.

This is also true of Alvin Lucier's work in that it does not assume universal modes of perception through which to communicate some personal vision but instead 'leads the perceiver to recognize that the only basis for a commonality of experience is in the sheer individuality of each perception'. Lucier, like Cage, is concerned with sound as sound, its pure physical presence, and avoids to a great extent any composerly techniques of shaping his material as he feels he is in no position to make decisions of that kind. Similarly, the artist Robert Irwin, whose work Lucier much admires, has written that 'The object of art may be to seek the elimination of it' and Thoreau too believed that the highest condition of art was artlessness. Lucier's intention is, purely and simply, to present sound though, in order to do this, he consciously has to skim away the layers of imagery, abstraction and metaphor that,
as an artist, he is continually tempted to apply. By not shaping the materials in any way, Lucier sharpens the listener's awareness of those materials, of sounds as sounds rather than what they might be trying to represent. He aims simply to isolate and present natural, acoustic phenomena as, for example, in his *Music for Solo Performer* (1965) for enormously amplified brain waves and percussion in which electrodes are attached to the scalp of the performer to transform his brain's alpha waves into electrical energy. This is then fed to loudspeakers which, with very low but highly amplified frequencies, cause a variety of percussion instruments to resonate sympathetically. During the making of this work, many of his friends and colleagues suggested that Lucier made a tape piece using the alpha waves as a sound source to be variously manipulated and transformed. However, to Lucier, the sounds already existed as ends in themselves and to attempt to add anything would distract from this simple fact. Similarly, Cage felt that one should 'accept that a sound is a sound..., give up illusions about ideas of order, expressions of sentiment and all the rest of our Inherited aesthetic claptrap'.

Phil Niblock is also interested in the pure physicality of sound and, though he works primarily on tape, the sound sources he uses are always acoustic instruments. He records a cluster of tones with great precision (during the recording session, the musician is tuned by a calibrated sine wave on an oscilloscope) which are usually very close together and of long durations. He then mixes these tones together on an eight-track tape machine into expansive walls of sound to which is added a live soloist who wanders through the performance space playing similar or adjacent tones to create shifting harmonics and acoustical beat patterns. He is not interested in sound manipulation or signal processing as he feels that 'music modifies itself so much anyway in the air'. Even Alvin Lucier's few pieces that use magnetic tape are concerned not with sound manipulation but with exploring acoustical space. In his *I am Sitting in a Room* (1970), for example, a passage of recorded speech is simultaneously replayed and re-recorded many times in a room of any size until those pitches contained in the recorded speech that correspond to the resonant frequencies of the room are amplified and those that do not correspond fade away. Gradually, the speech becomes pure, continuous sound but it is the space, not an electronic device, that filters the

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speech and thus the nature of the work is still very much acoustic.

Pauline Oliveros' *In Memoriam Nikola Tesla, Cosmic Engineer* (1969) works on a similar idea. At the beginning of the work, the performer tries to locate the resonant frequencies of the performance space. This is then flooded with low sounds from audio generators set at the resonant frequencies to bring out the building's sonic characteristics. In Oliveros' words, the low frequencies cause the performance space 'to add its squeaks, groans and other resonance phenomena... [so that it] performs in sympathy with the musicians'.

More permanent sound environments have been created by La Monte Young using a selection of sine waves which, since they have only single frequency components, present Young's desired acoustic phenomena more clearly than any other waveforms. These continuous, live installations of sine waves produce areas of high and low air pressure where the relative amplitudes of the cluster of frequencies are modified. As the listener wanders through the environment, his slightest movement affects not only his own perception of the work but also, by affecting these patterns of air pressure, that of other listeners. Young chooses his frequencies precisely in order to evoke what he terms a 'drone state of mind' in the listener where the vibrating patterns of air cause sympathetic internal vibrations within the listener's nervous system (via his eardrum) from which point he is 'free to discover a veritable world of possibilities'. The idea is to alter or expand the consciousness of the perceiver, an aim shared by other composers such as Pauline Oliveros.

Oliveros first became aware of the limitations of our everyday levels of perception when she placed a microphone on the window-ledge of her San Francisco apartment and recorded the environment. Upon replay, she was amazed to discover the number of sounds that initially went unheard. Her aim ever since has been to extend our awareness and perception of sound. In the 1960s, for example, she explored perceptual extremes in her work with combination tones and sub-audio and supersonic frequencies. She has also tried to expand awareness and perception of the universe through the use of all our

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147 J. Cage: *For the Birds* p150
148 During such work, she 'felt like a witch capturing sounds from a nether realm' [P. Oliveros: 'Some Sound Observations', *Source* Vol.2 No.1 (January 1968) p79] and, in one electronic studio, she was accused of black magic and her equipment sabotaged.

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perceptual faculties. Her fourth Sonic Meditation, for example, requires extra-sensory perception: 'Divide into two or more groups. Each group must have a tape recorder and be sound insulated from the other groups. The distance might be small or large i.e. thousands of miles or light years...Each group tape records its own sounds during the telepathic transmission for later comparison'. Like La Monte Young, she is interested in seeking a commonality in the perceptual processes of humans in the way we 'interact with the intelligence that is music'. This, she feels, can best be achieved through meditative exercise, an approach closely related to what Cage felt is the traditional reason for making music: that is, 'to sober and quiet the mind thus making it susceptible to divine influence'.

This principle has of course been variously interpreted though many post-Cageans have come to regard their work as a means of increasing awareness and expanding consciousness. Many of Yoko Ono’s works, for example, from her book of scores entitled Grapefruit, are intended to challenge the perceptual techniques of performers and listeners so that we will eventually be able to ‘reach our ears to the stars’ and in her tape pieces, for example, she instructs the performer to 'Take a tape of the sound of the stars moving' or 'Take a tape of the voices of fish at the night of a full moon'. In her Collecting Piece, the performer is instructed to record sounds in his mind and 'replay' them, in a different order, at a later date. By such practices, she aims to re-draw one's attention to the life of sounds (particularly those that otherwise go unheard) and help one truly hear again.

Similarly, Alvin Lucier hopes that his works will help people 'to open their ears to their environments' and Thomas DeLio feels that Lucier's work successfully manages to bridge the traditional boundaries separating the composition from its environment, boundaries which Cage also sought to remove. Lucier's 1970 work, (Hartford) Memory Space, for example, instructs performers to go to outside environments, record the sounds they hear with any 'memory device' (tape recorders, mental recall etc.), and later re-

150 P. Oliveros: Software for People (California, 1979) p3
151 J. Cage in R. Kostelanetz: Conversing with Cage p215
152 Y. Ono in interview with the author (unpub. MSS, 1988), unpaged
154 Y. Ono: ‘Fish Piece’, reprinted in Ibid.
155 A. Lucier & D. Simon: Chambers (Connecticut, 1980) p11
156 T. DeLio in Breaking the Sound Barrier p269
create those environments using voices and instruments. In another piece, Gentle Fire (1971), the score asks the performer to collect, on tape, examples of such sounds as 'Colliding Meteors...Spurting Blood...Rattling Snakes...Crashing Planes...[and] Erupting volcanoes'. Then, using an electronic synthesizer these sounds are to be transformed into others such as 'Passing ships...Rising Bread...Buttering Muffins...[and] Assuaging terrors'. Given that even with today's computer synthesis technology such transformations would present problems suggests that the importance of this work was largely conceptual. Indeed the score ends with the following directive: 'Based on these procedures and experiences, design for your personal use and store in your mind an imaginary synthesizer with which...you can wilfully bring about such transformations at any time in any place without the help of external equipment'. Thus, Lucier is aiming to make us conscious not only of our sonic environments but also of our own consciousness and thereby heightens our awareness of the very act of perception.

Parallels to these ideas may also be found in the visual arts, most notably perhaps in the work of Robert Irwin. Together with scientists James Turrell and Ed Wortz, Irwin was involved in a research project which explored the possibility of 'Allowing people to perceive their perceptions - making them aware of their perceptions...conscious of their consciousness...'. In the course of this work, Irwin spent many long sessions inside UCLA's anechoic chamber (Cage underwent a similar experience several years earlier) which, he recalls, greatly heightened his perceptual awareness: 'After I'd sat in there for six hours...and then got up and walked back home...the trees were still trees and the street was still a street...but the world did not look the same; it was very, very, noticeably altered'.

In a similar way Robert Ashley tries to make his listeners more conscious of themselves and their global situation. Ashley himself is acutely self-conscious as he feels a composer can no longer make naive musical decisions in the midst of today's musical and aesthetic pluralism. The truly contemporary composer cannot help but 'associate every

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197 Taken from the score of Gentle Fire which is reproduced in Source Vol.5 No.2 (1971) pp47-8
198 Ibid., p48
199 Ibid., p48
201 R. Irwin quoted in Ibid., p128
musical thought with a reason for it. 62 The present global situation makes his attitude towards composition even more self-conscious. He explains: "You start to work and you think, "They're killing people in Israel. What am I doing?"." 62 Although his music does not, unlike Cage's, propose any solutions to global problems, it certainly does not pretend that they do not exist or that we can ignore them. As a composer, he does not shut the world out of his mind and he feels his audiences have similar responsibilities: "When I go to a concert, I don't forget about South Africa - I'm thinking about that and I'm listening to music at the same time. ...I'd expect everybody else to do that - it's the civilized thing to do." 64 So although he does not subscribe to the notion that music can alter peoples' consciousness, it is probably only the tacit implications of the term that he objects to: that is, that the listener is preoccupied with a transformation of his self to the exclusion of global issues or awareness.

At the other extreme, Pauline Oliveros is often accused of creating apolitical work in concentrating solely on personal spiritual development. Yet, she considers her Sonic Meditations, for example, to be deeply political in that it challenges certain premises in the musical establishment, that it opens up for people to participate who aren't musicians. 63 Just as the formation of extra-institutional composer-performer groups had produced what Cage called a 'commonality of individuals...free...from anything resembling economic or political structures', 63 several experimental composers gradually moved further from the establishment in creating a music that was open to all.

Again, whether tagged as 'experimentalists' or 'minimalists', many of the 'first generation' post-Cageans, such as La Monte Young, Steve Reich, Alvin Lucier and Phil Niblock, were united not only in their re-assertion of sound over metaphor, but also by a common approach to musical structure. This approach was most clearly outlined by Reich who sought to develop an audible structural technique that determined 'all the note-to-note details and the overall form simultaneously... [to produce]...a compositional process and a sounding

163 Ibid., p49
164 Ibid., p50
166 J. Cage in R. Kostelanetz: Conversing with Cage p206
music that are [were] one and the same'.\textsuperscript{167} Thus, although the composer 'may have the pleasure of discovering musical processes and composing the material to run through them, once the process is set up and loaded it runs by itself'.\textsuperscript{168} This aesthetic often produced a music of 'inherent impersonality' and it was a shift away from this structural purity that characterized the work of many 'second generation' post-Cageans, whether they be labelled 'post-minimalists' or 'post-experimentalists'. The young San Francisco-based composer Paul Dresher, for example, was clearly influenced by Riley and Reich but, like John Adams, Ingram Marshall, Daniel Lentz...we all wanted to expand the vocabulary and not be quite as limited as the pristine sonic palette which had characterized the music of Phil Glass, Steve Reich and Terry Riley'.\textsuperscript{169} Similarly, Rhys Chatham (who studied with Maryanne Amacher and La Monte Young) feels free to combine aspects of experimental music and rock music. His Guitar Trio (1977), for three electric guitars, electric bass and drums, mixes 'extended time melodies using overtones as primary...vocabulary with a rhythm that owed its existence to the rock genre'.\textsuperscript{170} Another New York composer, Glenn Branca, also straddles the experimental music and rock divide. The Glenn Branca Ensemble was formed in 1980 and is best known as the platform for his radical, concert-length symphonies which use a compositional system based on the intervals of the harmonic series. The ensemble largely uses instruments of his own invention, such as various mallet guitars, the harmonics guitar and the motorized harmonic keyboard. The Glenn Branca experience is an explosive one which has sent critics worldwide scurrying for superlatives and which led one writer to suggest that, had the composer lived three hundred years earlier, he would have been hanged for witchcraft.

Some experimental composers, such as Laurie Anderson, have moved more overtly towards popular music. She feels, however, that it was not her work that changed (she was deeply involved in New York's experimental music scene of the 1970s) but that it was placed in a new context by the popular media who thought that she alone had originated this new music. As each newspaper vied to say how original and extraordinary she was, she found herself no longer performing at lower Manhattan's modest new music venues but in vast arenas throughout the world. Working in this new context has, of course, its

\textsuperscript{167} S. Reich: \textit{Writings About Music} (Halifax, N.S., 1974) p10
\textsuperscript{168} \textit{ibid.}, p11
\textsuperscript{169} P. Dresher in G. Smith & N. Walker Smith: \textit{Op. cit.}, p107
\textsuperscript{170} R. Chatham in interview with the author (unpub. MSS, 1988) unpaged
advantages of which the West Coast minimalist, Harold Budd, is well aware. He has released several recordings of his own music and of collaborative efforts with such artists as Brian Eno and The Cocteau Twins, and thinks that it's 'damn healthy to obliterate the arbitrary line between commercialism and art. To confuse the boundary as much as possible'."

Removing boundaries was, of course, central to the philosophy of Cage and, at last, 'The fences have come down and the labels are being removed'. Cross-fertilization between experimental work and its hybrid forms in all media has produced a creative environment, particularly in America, where distinctions and definitions are neither possible nor important. Thus, for example, 'one doesn't worry about where to "place" Laurie Anderson" or Glenn Branca's symphonies which are equally at home in both rock and classical music venues. It was Cage, however, who best defied definition, for he [was] 'known to some as a composer, to others as a mycologist, a poet, or a graphic artist, or to still others as an influential writer on social and economic issues'. This is perhaps because he himself has always tried to make definitions that do not exclude, a Zen idea that has engendered an open, all-embracing attitude towards music in many post-Cagean composers. Pauline Oliveros, for example, writes: 'All music speaks to me as music, no matter how apparently simple, or complex, no matter what its origin whether human, animal, artificial, or extra-terrestrial'. The post-Cagean field is one open to any and every approach and, as Rhys Chatham notes, the question now facing young composers is no longer "Can we do it?" - that goes without saying - but "What do we want to do?". For this, 'we owe John Cage and the Buddha a great debt'.

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172 J. Cage: Empty Words p179
175 P. Oliveros: Software for People p2
3. Preface to the Compositions.

Like the composers discussed in the previous pages, I too am indebted to Cage for revealing a freedom beyond what was seen as the historical imperative of contemporary music. His non-linear, 'all-at-once' reality offers a place for composers who do not necessarily regard themselves purely as the heirs of Bach, Beethoven and Brahms. Cage validated other viewpoints and gave countless composers, myself included, courage to stand outside that tyranny of history. I also much value his mistrust of an intellect that can too easily deaden us to experience and feel that there is a price to pay for the over-emphasis of intellectual complexity which characterizes much new music. John Adams, a frequent visitor to the UK, seems well aware of the problem: 'The British classical music establishment bought the post-war modernist, Boulezian ideology whole cloth and digested it, but I think they're gagging on it now. It must be very hard to be a young composer there'.

Like the many composers I have discussed, I too champion the primacy of sound over metaphor: I am grateful for Terry Riley's re-assertion of music's fundamentals and inspired by Lou Harrison's 'not being afraid to make something pretty'. Like Victor Shklovsky, I would like to believe that 'Art exists that we may recover the sensation of life; it exists to make one feel things, to make the stone stony...'. It is here, perhaps, that my ideas may begin to appear at odds with the work of Cage as, like the many composers who gained an enormous sense of freedom, permission almost, to follow their own creative selves, I have less in common with him on a purely musical level. Of course, whilst Cage used music almost as a philosophical vehicle to 'offer a behavioural alternative, a kind of prototype, paradigm or template of what human behaviour could be', he never suggested that the compositional techniques involved in the creation of these prototypes were the future of music. His concern was to reflect the nature of

\[\text{\cite{Adams2001}, p.13}\]
\[\text{\cite{Shklovsky2001}, p.19}\]
\[\text{\cite{Monk2001}, p.193}\]
reality (or, indeed, the reality of nature) and create musical equivalents of, for example, interpenetration or unimpededness. Within this reality, he believed that all manner of approaches could co-exist and thus countless composers who may be stylistically worlds apart continue to draw encouragement from his work.

Musically, my work is closer to that of the second generation minimalists who, like John Adams for example, tended not to absorb the structural purity of Reich. Rather, he 'rob[bed] minimalism of its austerity, for his intuitive, highly expressive rhetoric is the result of an eclectic array of musical influences rather than the result of a "pure, single system"'.

I develop my work by 'feel' and again identify with Adams who has likened his approach to that of an architect building on an empty site without a blueprint. Aware that, despite the impact of the ideas of Cage, there remains a suspicion that the intuitive is somehow subservient to the rational, Adams is careful to define intuition as 'a mixture of conscious and unconscious activity that is both feeling and thinking'. He is also aware that his approach is quite different to the rationalist principles championed by the European avant-garde: "The material you start working on is like the "gene pool" for the piece, and it takes time to get to know what the genetic structure, the personality of the piece is. It's like a human foetus. I can't impose an arbitrary, imagined shape or personality on the material that I really don't know myself very well. I think that's a very Germanic point on view - this business of the composer controlling the whole image'.

Adams' music is the product of an eclectic range of influences covering a variety of historical and vernacular traditions, only one of which might be called 'minimalist': 'I don't think it's a retroactive attitude. In a hundred years or more, people will look back on the period of serialism, atonality and aperiodicity as being more of a little pocket in music history that happened and then had its closure. I don't agree with the polemics that say this is the future, the kind of hotly-debated polemics that you find at Darmstadt or that you can read about in Boulez's books and even in Schoenberg'.

Like many 'post-minimalist' composers, I feel that, in its abandonment of tonality

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and pulse, much avant-garde music traded any sense of 'directness' for an almost wilful obscurity. But Daniel Lentz, for example, 'got tired of going to concerts where the only people in the audience were other composers' and Ingram Marshall 'a long time ago...gave up the idea that modern music has to be a bitter pill that you must swallow. I think that's one of the great corruptions of our age'. Over-complexity, according to James Fulkerson, is an easy cover for a young composer afraid of a 'boundless, directionless, horizonless' reality who would rather not live 'in the dark of the mind, in the world of emotion, by primordial Intuition, by terror': 'I think the whole education system encourages the English composer - as long as they go through the normal channels (the channels of elitism) - to repress feelings. They opt for the supposed profundity of thought in complex music. But I think it's actually the British way of ducking the important questions. There's a great deal of hostility towards both the new tonality and the simplicity of Americans, but I think that anything that enables feelings to arise in British classical music is ultimately unacceptable to the people in charge, like the BBC, Arts Council, ISCM, Sinfonietta et cetera'.

The fact that my compositional work leads me to make recordings rather than to produce scores is for me an important one. I have previously described some of the composer-performer groups who grew out of a reaction to institutionalized music and many of the composers I have referred to, such as Meredith Monk, Glenn Branca, Harold Budd, Paul Dresher, Daniel Lentz and Pauline Oliveros, continue to control their own groups as the primary vehicle for their music's performance. My own approach parallels that of most rock or pop artists who record (rather than notate) what they compose (either to tape or computer), then work directly with a core of performers to produce a record which they will then re-create live on tour.

My music might not necessarily lend itself well to critical prose though there are parallel situations in other artforms. The poet Robert Lowell, for example, believes that 'Any number of people are guilty of writing a complicated poem that has a certain amount of symbolism in it and really difficult meaning, a wonderful poem to teach. Then you unwind it and

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157 I. Marshall in Ibid., p178
159 Ibid., p48

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you feel that the intelligence, the experience, whatever goes into it, is skin deep. By contrast, Frank O'Hara refused to 'make up a lot of prose about something that is perfectly clear in the poems. If you cover someone with earth and grass grows, you don't know what they looked like anymore. Critical prose makes too much grass grow, and I don't want to hide my own poems, much less kill them.' And, like John Adams, if I could describe my music, 'I probably wouldn't bother to write it.' Similarly, when asked if he could describe how he makes his pieces, Harold Budd replied, 'No. I can't because it's a complete mystery to me.'

There are no theories or systems at work in my music, but an intuitive combination of thinking and feeling. Like all of the composers in American Originals, I should like to believe that I have cultivated my own creative voice or, to quote Morton Feldman, "The system is me. I'm the system". Self-consciously subscribing to existing formulae will lead almost certainly to oblivion as 'what you like about Bartok or Debussy isn't the style of music, what you like is them. It's the artist in the work that we are finally drawn to, whether it's Tolstoy or Picasso or John Cage'. I am not interested in imitating reality's manner of operation, or in transcending the dualistic human condition but am compelled by my own ego, taste, memory, humanity. Like George Crumb, I believe that 'no super-rational system [can] deliver the right notes, that these can only resonate in the inner ear.' Whilst a super-rational system might make for impressive critical prose, it would only add to the already overgrown mound of unwanted music. I echo Crumb's plea for 'No more "university music" - that will have to go.'

H. Budd in Ibid., p67
P. Glass in Ibid., p136
G. Crumb in Ibid., p97
G. Crumb in Ibid., p99
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