From:	▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮
Sent:	Monday, July 11, 2016 4:37 AM
To:	jeffrey E.
Subject:	Re: quick question -- AGI-16 snacks and reception sponsorship?

About the sponsorship -- should I list one of your organizations on the conference materials as a sponsor? If so which one? Enhanced Education again?

thx...

On Mon, Jul 11, 2016 at 10:36 AM, jeffrey E. <jeevacation@gmail.com> wrote:
> first paper is silly,   it does not include rythm, only notes.   points
> but no temporal shape.   sorry
>
> On Sun, Jul 10, 2016 at 10:25 PM, Ben Goertzel <▮▮▮▮▮▮▮▮▮> wrote:
>>
>> Hmmm...
>>
>> I have been thinking a lot about music too, but from a different
>> perspective...
>>
>> Do you know this paper on Combinatorial Music Theory?
>>
>> paper:
>> http://andrewduncan.net/cmt/
>>
>> video:
>> https://www.youtube.com/watch?v=OMDtp89Xqlw
>>
>> It's extremely good, it clarifies some basics of music theory in a
>> mathematical way without the confusing archaic terminology of
>> standard music theory... and suggests various interesting new directions...
>>
>> This paper is also related and somewhat worthwhile
>>
>> https://www.math.washington.edu/~morrow/336_09/papers/Ada.pdf
>>
>> though neither as easy-to-read nor as interesting...
>>
>> What these papers are getting as are the hidden abstract-algebraic
>> and information-theoretic structures underlying melody and harmony...
>>
>> What you're talking about regarding symphonies is sort of like
>> "narrative structure" in stories it seems like -- or "discourse
>> planning" in dialogue -- i.e. it's higher-level
>>
>> That level is important, for sure. But what the papers I've linked
>> above are getting at is a bit lower-level --- more analogous to the

>> syntax and phrase/sentence level semantics of language, I would say.
>> The algebra and information theory of melody and harmony have to work
>> out at the level of individual chords and melodic passages, for the
>> higher-level development of a symphony or other complex work to make
>> sense...
>>
>> About
>>
>> > I mashed all of the four symphonies together ,
>> > playing recordings of the 3rd 5th 6th 7th all overlayed on
>> > each other,
>>
>> I have done stuff like that before, but not with classical music...
>> with my own recordings ;) .... Do you have a sound file of your
>> experiment? I'd be curious to hear...
>>
>> Interestingly, the "plumbing" work we've been doing to connect
>> OpenCog to the Hanson robots would also enable us to use OpenCog for
>> music composition / improvisation experimentation ... (i.e. we've
>> been dealing with real-time input and output, which we hadn't been
>> doing
>> before)
>>
>> But at the moment (this opinion is of course subject to revision) I
>> somewhat feel that the basic problem of "what makes a melody
>> /harmony / rhythm pattern sound emotionally and cognitively
>> appealing" has to be solved before one moves on to issues of symphonic structure....
>> I.e., we probably gotta solve folk music before we can solve
>> Beethoven or Bartok ...
>>
>> Meyer's old theory of "surprising fulfillment of expectations"
>>
>>
>> http://rhythmcoglab.coursepress.yale.edu/wp-content/uploads/sites/5/2
>> 014/10/Emotion-and-Meaning-in-Music.pdf
>>
>> is basically correct IMO (if you don't know that book check it out,
>> you'll love his classical music examples) ... but the subtle point is
>> that the expectations and the surprise we experience are a subtle mix
>> of
>>
>> -- basic mathematical music-structure factors, as in the vein of the
>> two papers I linked above
>>
>> -- human psychology factors as modeled e.g. in Joscha's work and in
>> the Component Process Model (
>>
>> http://boccignone.di.unimi.it/CompAff2015_files/Phil.%20Trans.%20R.%2
>> 0Soc.%20B-2009-Scherer-3459-74.pdf)
>> which we have introduced into the OpenCog / Hanson Robot codebase to
>> fill in certain gaps in Psi
>>

>> -- human body-rhythm patterns, to do with the way the rhythms of
>> different subsystems of our physical bodies overlay on each other,
>> which we perceive all the time sub and semi consciously and which
>> influence our perception of music; obviously even classical music
>> without a drumbeat is highly rhythmic...
>>
>> -- more abstract cognitive pattern recognition
>>
>> So a good melody packs up "surprising fulfillment of expectations"
>> where the expectation and fulfillment are assessed according to a
>> combination of the above 4 factors ... and if you leave any of the
>> above 4 factors out you're going to get lots of "false positives" ...
>>
>> All of the above factors are there in Chinese, African etc. music as
>> well as Western music, but manifested in different ways...
>>
>> I can pretty clearly see how to seriously investigate the above but I
>> can't at the moment see a "quick and dirty" way to make huge progress
>> quickly ... while seemingly simple, the question of "what makes a
>> melody appealing" actually wraps up a lot of issues ... BODY,
>> EMOTION, COGNITION ... plus MATH-OF-MUSIC ...
>>
>> Fascinating stuff though ;)
>>
>> If you want to design a research programme in this direction I'd be
>> game to participate; I don't want to drop my other OpenCog R&D
>> obviously but music just fascinates me at a heart as well as head
>> level, so I'd be willing to put some time into this in parallel with
>> making the Hanson robots work... I do have a feeling that to really
>> crack the problem of what makes a melody sound good, one has to crack
>> the problem of how feeling and body and cognition work together,
>> which is a key problem for AGI generally speaking...
>>
>> -- Ben
>>
>> P. S.
>> Of course, complex development of themes and counter and sub themes
>> and so forth is not exclusive to Western classical music.... For
>> instance this 30 minute instrumental-rock song composed by Buckethead
>> in memoriam for his mother has incredible subtlety of development
>>
>> https://www.youtube.com/watch?v=E5PXYehriYY
>>
>> ... so many themes introduced in the first half and then complexly,
>> genetically crossed over and synergized in the second half.. It is
>> my firm conviction that Buckethead will be remembered as the
>> Beethoven of the early 21st century ;) ...
>>
>> For me the ultimate is Prometheus, by Scriabin, though...
>>
>> https://www.youtube.com/watch?v=5GEwho6Dbnc
>>

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>> do you know it? Wow....   This is cognitive and emotional development
>> beyond the ordinary human level, such as only a true genius madman
>> could produce.   I had an amazing mental experience in San Francisco
>> in 2012 listening to Prometheus 10 times in succession ... try it
>> sometime...
>>
>>
>>
>> On Mon, Jul 11, 2016 at 9:39 AM, jeffrey E. <jeevacation@gmail.com> wrote:
>> > looking for AI and music. . a melody is a strange object, it is an
>> > inter
>> > as well as intra relation with notes and time. .   there are inherent
>> > harmonies. and dissonance. .   what i wrote to chonsky this morning
>> >
>> > today I conducted an experiment encouraged by Noam's wholly justified
>> > aggressive and detailed directives to joscha. .   joshcha focused on
>> > layers
>> > being developed in the brain . the timing for the development of
>> > each layer being different per species .
>> >   I postulate that music might be a frosted window into that structure.
>> > symphonies begin with their first " layer " a theme. in fact ,   there
>> > might be more than one theme in the first layer , , the second part of
>> > symphonic form is the complex development stage.   where those themes
>> > are inverted, deconstructed , reconstructed etc   ,and the development
>> > stage
>> > takes the most time . in the conclusion of the symphonic form the
>> > recapitulation of all that has come before it forms a " phenenoma
>> > of the
>> > piece " a whole ,made up of its smaller concepts .   As opposed to
>> > listening to music to record which neuron is firing, as most
>> > musciolgists
>> > attempt . I propose that the music may be the audible result of those
>> > neurons firing, made possible by a select few who would attempt to
>> > notate
>> > those neuronal firings. Beethoven for example.
>> >
>> > The experiment   . I mashed all of the four symphonies together ,
>> > playing recordings of the 3rd 5th 6th 7th all overlayed on
>> > each other, playing at the same time. - the way a brain might
>> > develop. I expected an
>> > ordered noise but to the surprising contrary ,   IT WAS AMAZING. .
>> > you can hear new "concepts " forming,
>> >
>> > il wonder whether in the mind of a blind child , the " music"
>> > would be created even without the visual referencial. but created
>> > none the less.
>> > later when the visual can be tied to concepts , the anatomy may be
>> > hijacked to produce sounds . that somehow relate to the concepts.
>> > .
>> >
>> > I tried to mix music from different cultures- it didn't work. African
>> > does not work with western europe,- chinese works with neither of

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>> > the other two. but within the same cultural music (the brain of
>> > the local species
>> >)   the mash ups are beautiful.
>> >
>> > I would note that computers engage in "parallel processing" only
>> > in order to take a hard problem and break it into its component
>> > parts , working on each component separately, , here each problem
>> > Interacts and the their resolutions interact in remarkable ways.
>> > --
>> >
>> > On Sun, Jul 10, 2016 at 9:37 PM, Ben Goertzel <███████████> wrote:
>> >>
>> >> (i.e. being a "fiscal sponsor" for the HLAI/AGI conference is
>> >> within
>> >> Humanity+'s mandate as a 501(c)3, so there's no problem here...)
>> >>
>> >> On Mon, Jul 11, 2016 at 9:36 AM, Ben Goertzel <███████████> wrote:
>> >> > We can route the donation through Humanity+, which is a 501(c)3 ...
>> >> > as
>> >> > we have done with some of your previous donations for my research...
>> >> >
>> >> > On Mon, Jul 11, 2016 at 9:33 AM, jeffrey E.
>> >> > <jeevacation@gmail.com>
>> >> > wrote:
>> >> >> is it a 501 c 3
>> >> >>
>> >> >> On Sun, Jul 10, 2016 at 9:30 PM, Ben Goertzel
>> >> >> <███████████>
>> >> >> wrote:
>> >> >>>
>> >> >>> Hey there,
>> >> >>>
>> >> >>> Hope you're well...
>> >> >>>
>> >> >>> I'll send you another email about connecting this summer while
>> >> >>> I'm in the US if you'll be around...
>> >> >>>
>> >> >>> This email pertains to the AGI-16 / Human-Level AI conference
>> >> >>> which occurs upcoming week in New York (July 16-19).... at
>> >> >>> the New School.
>> >> >>>
>> >> >>> We are doing the last-minute nitty-gritty conference planning
>> >> >>> and find ourselves short on cash for snacks and for drinks at
>> >> >>> the conference reception / poster-session ... (the New School
>> >> >>> venue proved more costly than planned... we chose New School
>> >> >>> as an old college friend of mine is a prof and administrator
>> >> >>> there...)
>> >> >>>
>> >> >>> So I'm wondering if you might be willing to do a US$3000
>> >> >>> sponsorship (we have two other sponsors at the US$3000 level:
>> >> >>> Vicarious Systems,
>> >> >>> and Demiurge Technologies).... (We don't actually need the $$

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>> >> >>> wired
>> >> >>> immediately, a commitment is enough)...
>> >> >>>
>> >> >>> We can then serve everyone "drinks and snacks courtesy of
>> >> >>> Jeffrey Epstein Foundation", or whatever foundation name you
>> >> >>> prefer (or just keep it quiet if you prefer)
>> >> >>>
>> >> >>> This is not insanely critical, but it would be a help... I
>> >> >>> believe these conferences are still quite valuable in terms of
>> >> >>> keeping free and open dialogue about AGI going in the research
>> >> >>> community, as opposed to having AGI work entirely sucked into
>> >> >>> the proprietary halls of big companies...
>> >> >>>
>> >> >>> thanks
>> >> >>> Ben
>> >> >>>
>> >> >>>
>> >> >>> --
>> >> >>> Ben Goertzel, PhD
>> >> >>> http://goertzel.org
>> >> >>>
>> >> >>> Super-benevolent super-intelligence is the thought the Global
>> >> >>> Brain is currently struggling to form...
>> >> >>
>> >> >>
>> >> >>
>> >> >>
>> >> >> --
>> >> >>   please note
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>> >> >
>> >> >
>> >> >
>> >> > --
>> >> > Ben Goertzel, PhD
>> >> > http://goertzel.org
>> >> >
>> >> > Super-benevolent super-intelligence is the thought the Global Brain
>> >> > is
>> >> > currently struggling to form...
>> >>

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>> >>

>> >>

>> >> --

>> >> Ben Goertzel, PhD

>> >> http://goertzel.org

>> >>

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>> >> currently struggling to form...

>> >

>> >

>> >

>> >

>> > --

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>>

>>

>>

>> --

>> Ben Goertzel, PhD

>> http://goertzel.org

>>

>> Super-benevolent super-intelligence is the thought the Global Brain is

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--
Ben Goertzel, PhD
http://goertzel.org

Super-benevolent super-intelligence is the thought the Global Brain is
currently struggling to form...

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
        <key>conversation-id</key>
        <integer>75384</integer>
        <key>date-last-viewed</key>
        <integer>0</integer>
        <key>date-received</key>
        <integer>1468211804</integer>
        <key>flags</key>
        <integer>8590195717</integer>
        <key>gmail-label-ids</key>
        <array>
                <integer>6</integer>
                <integer>2</integer>
        </array>
        <key>remote-id</key>
        <string>626936</string>
</dict>
</plist>
```

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