
From: Lesley Groff <lesley.jee@gmail.com>
Sent: Wednesday, December 5, 2012 3:16 PM
To: Epstein Jeffrey
Subject: Fwd: Sundials, DNA, whatever
Attachments: Sundial I.jpg; Untitled attachment 00078.htm; Sundial III.jpg; Untitled attachment 00081.htm; Sundial legend.jpg; Untitled attachment 00084.htm; EOT Adjustment.jpg; Untitled attachment 00087.htm; Equation of Time.jpg; Untitled attachment 00090.htm; Analemma calculation.pdf; Untitled attachment 00093.htm; GCB and LSJ from Cocounts.jpg; Untitled attachment 00096.htm; LSJ sundial thru telescope.jpg; Untitled attachment 00099.htm

Begin forwarded message:

From: "McCarthy, Kevin" =lt;Kevin.McCarthy@dovermotion.=om>

Subject: Sundials, DNA, whatever

Date: December 5, 2012 =:25:33 AM EST

To: "lesley.jee@gmail.com" <lesley.jee@gmail.com>

Lesley: Would you be so =ind as to forward my email to Mr. Epstein? =hanks.

Mr. Epstein: Hi! The other month, I was busy =uilding a nice equatorial sundial on the lawn of our villa on St. =ohn. Some photos are attached; I CNC engraved the brass time =trip, which is magnetically preloaded against Teflon glide strips in a =lot in the equatorial arc. To implement the Equation of Time =orrection, you just grab a knob near one end of the time strip, and =lide it until a wire aligns with the date.

Little St. James is one of =wenty-some islands visible from our villa on a clear day. I keep = 110 mm refractor and a 320 mm reflector there, and shortly before we =eft, I was startled to spot what is obviously a rather large sundial of =ours (photo through the 110 mm attached). Very cool! Not =uite as accurate as an equatorial dial, of course...

We have a mutual acquaintance =n George Church. I have been collaborating with George for some =ears now on DNA sequencing; we first commercialized his technology with =he Polonator, and have just completed a radical re-architecting of the =ystem. The new "H" sequencer is still undergoing its initial =hakeout, but we expect it to deliver a 30X whole human genome for well =nder \$500, and to sequence nearly 1e12 bases per =ay.

I'm curious as to =he boxy building on the summit of LSJ. Might it house a =elescope? I am in the final figuring stages on a 685 mm =llipsoidal Zerodur primary for a telescope back home. My =ackground is in physics (MIT '75), although I blew off grad school to =oin my friends on a farm for seven years. I then ran a private =ech company, selling it in 1999 to a public firm that was promptly =cquired by the goofy-large conglomerate (Danaher) that I'm still a =art of.

I keep a trimaran sailing kayak at Coconuts, and would love to sail over some time to check out Little St. James, and "rap" (in the 70's sense). Our next scheduled visits are January 2-24, April 6-21, and most of October. Other dates are flexible, although our villa is rented when we aren't there. If you are up for a get-together sometime, let me know.

All the best,

Kevin McCarthy
Chief Technology Officer
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