

Date: Thu, 30 Jun 2011 14:12:18 -0400

From: "Taylor, Barry N." <barry.taylor@nist.gov>

Subject: RE: The new SI

To: 'Anders J Thor' <athor@mech.kth.se>

Cc: 'Ian Mills' <ian704mills@btinternet.com>,
"tjqfrs@gmail.com" <tjqfrs@gmail.com>, 'Gary Price'

<grprice2@gmail.com>, 'Paul de Bievre' <paul.de.bievre@skynet.be>,
'Stephen Humphry' <stephen.humphry@uwa.edu.au>, 'Barry Inglis'

<barry.inglis@measurement.gov.au>, 'Bob Kaarls' <rkaarls@euronet.nl>,
"May, Willie E Dr." <willie.may@nist.gov>, 'Jim McLaren'

<jim.mclaren@nrc.ca>, "Mohr, Peter J." <mohr@nist.gov>, 'Michael
Kuehne' <michael.kuehne@bipm.org>, 'Claudine Thomas'

<cthomas@bipm.org>, 'Ernst Goebel' <ernst.o.goebel@ptb.de>, "Williams,
Edwin R." <edwin.williams@nist.gov>, "miller@lbl.gov"

<miller@lbl.gov>, "himbert@cnam.fr" <himbert@cnam.fr>,
"alfornow@sbcglobal.net" <alfornow@sbcglobal.net>,
"kononogov@vniims.ru" <kononogov@vniims.ru>, "khru@imp.kiae.ru"

<khru@imp.kiae.ru>, "ingvar.johansson@philos.umu.se"
<ingvar.johansson@philos.umu.se>, "Marcus.Foster@csiro.au"

<Marcus.Foster@csiro.au>, "walter.emerson@wanadoo.fr"
<walter.emerson@wanadoo.fr>, "b.hibbert@unsw.edu.au"

<b.hibbert@unsw.edu.au>, "gcooper@pairmetrics.com.au"
<gcooper@pairmetrics.com.au>, "hill@math.gatech.edu"

<hill@math.gatech.edu>, "Ulrich.Feller@metas.ch"
<Ulrich.Feller@metas.ch>

Dear Anders,

Greetings! I hope all is well.

I have just two points.

(1) I am in complete agreement with Terry's email. Simply put, it would be an egregious and unjustifiable error to abandon the beauty and many benefits of the new SI just because a 12 year old student might not fully understand it.

(2) I don't recall if you were on the distribution list for my recent reply to Ted Hill at Georgia Tech concerning some questions he had asked. Just in case you were not, I attach it herewith. As you will see, it explains why redefining the kilogram in terms of an exact numerical value of the mass of the carbon 12 atom is not a viable option.

All the best,

Barry

Barry N. Taylor

NIST, Bldg. 221, Rm. A255

100 Bureau drive, Stop 8420

Gaithersburg, MD 20899-8420

USA

Tel: 301-975-4220; Fax: 301-990-1350

Email: barry.taylor@nist.gov

Web: <http://physics.nist.gov/cuu>

Web: <http://physics.nist.gov/Divisions/Div842/FCDC/fcdc.html>