

REPORT TO THE IUPAP

From COMMISSION C2 - SYMBOLS, UNITS NOMENCLATURE, FUNDAMENTAL CONSTANTS AND ATOMIC MASSES

OCTOBER 2015

C2 - Leadership: Vanderlei S. Bagnato as chair of C2 with William Phillips as a Vice -Chair, took places during the Trieste April 2015 General Meeting.

C2 Participation on the General Meeting: Under the guidance of the President Bruce Mckellar, there were discussions about the roles and operation of the commissions concerning conferences, promotion of free circulation of science, nomination for prizes, responsibilities concerning evaluation of quality of new journals, etc. It was proposed by C2 chair, the beginning of the production of booklets about many topics related to the topics of this Commission. The first one in production will be " Science behind the fundamental Constants and units" . The topic was discussed with the Vice-Chair with full agreement. It is planned to circulate a draft during the year of 2016 for launching during the General Assembly of 2017. Short movies on the topic will also be produced by the commission chairs. As a work to be presented in 2016, a classification of the meetings on the topic will be produced. A search for the participation of members of C2 in international committees and forums will be carried out.

Proposal for General Assembly of 2017 : A bid for holding the meeting in São Paulo - Brazil, together with a few short events was done.

Working Group on the Newtonian Gravitational Constant proposed: Conducted by the vice chair in cooperation with relevant members of the community (Peter Mohr) a proposal for the IUPAP working group on the Big - G was suggested. The purpose of the proposed working group will be to support experimental efforts to measure the Newtonian Constant of Gravity. A tentative meeting to take place in 2015 in Gaithersburg are on progress of organization.