Minutes of Joint Meeting with TPWS/SCSW: Prague, Sept/2018

Chair: R. Pawlowicz
Clerk of Minutes: S. Seitz.

NB: These minutes include agenda items in the joint TPWS/SCSW/IRS agenda that are specifically oriented to SCSW. A number of items that possibly should be been added to the agenda were not because of the short time available in an ICPWS year; the 2019 SCSW agenda should probably "mine" the 2017 as well as 2018 minutes. For other 2018 agenda items consult the minutes of the other WG.

9.1 SCOR/IAPWS/IAPSO Joint Committee on the Properties of Seawater (JCS). Pawlowicz reports Web site accesses and software downloads have reached a steady state. A discussion occurred on whether TEOS-10 was making a difference to oceanographic issues (a recent paper quantified the effect of TEOS-10 on meridional overturning circulation), and on whether the absolute density of seawater was correctly represented in TEOS-10 (some recent results with Anton-Paar densimeters by various groups had found densities about 5-15 ppm lower but not all groups have found this; the matter is still under investigation).

9.2 Report on BIPM/IAPWS collaboration – BIPM/IAPWS Workshops were occurring later that week as part of ICPWS. Unfortunately R. Feistel, the driving force behind this effort, is not able to attend this meeting due to health issues.

10.1 Report on Surface Tension of Seawater: V. Vins reports that new data has been acquired, its work-up is being finalized and a publication is being prepared.

10.2 Appointment of evaluation Task Group and scheduling of a Guideline. The Guideline should be relatively straightforward an A. Harvey was cautiously optimistic that such a guideline might be available by the next meeting. The evaluation task group (R. Feistel) was expanded with the addition of M. Duska.

10.3 Preliminary work on viscosity of seawater. K. Nayar was unable to attend but provided some slides on this work. A question was raised about whether precise knowledge of the viscosity was useful for oceanographers, R. Pawlowicz was unsure but did point out that correct evaluation of particle settling velocities required knowledge of the viscosity; it may also be useful in certain kinds of conductivity calculations.

14. Membership. No new members proposed for SCSW.

Rich Pawlowicz
6/Sep/2018