



LUCIDUS

MARCH 2021 PHYSOC NEWSLETTER



15 Minute Physics

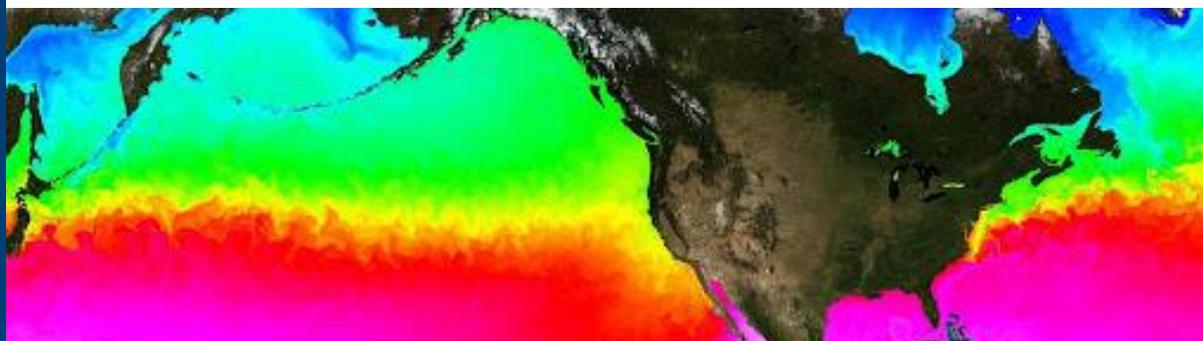
Connecting ocean circulation with ocean heat storage

By Peter Shatwell

12:30 on Tuesday March 2nd (1 hour)

Join [here](#)

Abstract: After my undergraduate degree, I joined the Mathematics of Planet Earth CDT, joint with the University of Reading. My research has focused on the Earth system and impacts of climate change. I'm a member of the Space and Atmospheric Physics group at Imperial, and I've recently submitted my thesis in physical oceanography. This talk will give an overview about my PhD work as well as a bit about the PhD experience itself. Around 93% of the excess heat due to global warming goes into the oceans, so global warming is really 'ocean warming'. I ran global warming simulations of a water-world (aquaplanet) using MIT's general circulation model to try and gain a mechanistic understanding of how the ocean takes up heat. By projecting the ocean circulation into temperature coordinates, I identified thermal circulation cells and analysed how these responded to global warming. Interestingly, the model circulation does not try to 'resist' the warming, but in fact changes to accommodate an even greater warming of the ocean interior.



Run for the PhySoc Committee

13:00 on Thursday March 3rd

Join [here](#)

Here is your chance to be a part of everything you saw in this Newsletter in this past year. Nominations for next year's PhySoc committee are open! We will be hosting a drop-in session on Wednesday March 3rd at 1:00 pm GMT to answer any questions you have about committee roles! We encourage you to come and join us for a chat if

you are considering for running for a PhySoc position. Before you come to meet us, you can find on our Instagram each committee member describing their experience in the Society.

Imperial Physics Review

Website Link [here](#)

The Blackett based magazine, Imperial Physics Review has come very far since its launch back in January! Several students have jumped on the chance to share their talent with the quill, writing articles on their favorite physics topics. It's not too late to join the party and write about the physics that fascinates you. The whole idea of IPR is to encourage people to write, read and share ideas in physics. Thereby we have titles ranging from "All Science is either Physics or stamp-collecting" to "Monkeys and the Multiverse".

If you're interested in writing for the Review, contact us with your idea at imperial.physics.review@gmail.com and we will get in touch shortly after with details. Lastly, please follow us on [Instagram](#) and [LinkedIn](#).



Imperial Young Professionals Careers for Scientists from the Imperial Young Professionals

19:00 on Wednesday March 10th

Sign up [here](#)

This panel event is ideal for those students in the 1st or 2nd year wanting to know more about the career paths available to them after Imperial.

The event will be presented by experienced Imperial alumni who are currently working in Finance, Consulting and Tech related roles. The panel will be discussing their experience in their industry and outlining the plethora of roles available to Imperial graduates from Investment Banking to working at a Start-Up.

Careers for Scientists is going to be a great forum to ask any and all questions relating to careers and how you can begin making moves in the right direction towards a career that could interest you.

Topics Covered:

- Finance - Investment Banking / Trading & Sales / Asset Management / Risk & Quant / Private Equity / Hedge Funds
- Consulting - Management Consulting / Strategy Consulting
- Tech - Data Science / Software Engineering / Project Management / Business Development

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Check out our current open positions on our [career site](#). We have positions for penultimate year and final year students. Freshers or second years of a four year course, we will be publishing our Insights day soon so be sure to keep an eye out for this.

We hope you are all staying safe during this time and have an enjoyable remainder of the year!



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