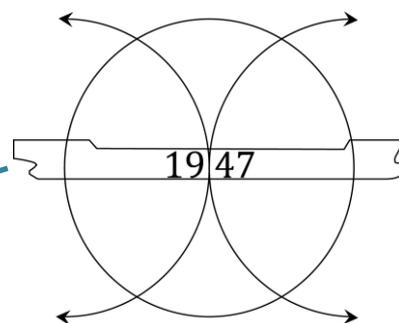


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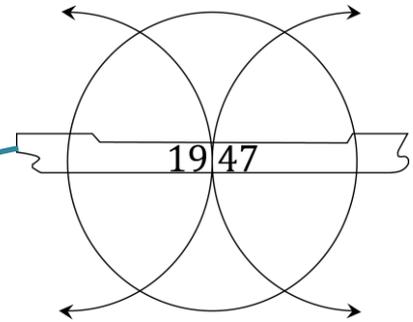
The Association of Maritime Engineering students at DTU

Annual Report

Nul-Kryds 2013

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Word from the president

The year 2013 was a hectic but great year for Nul-Kryds!

We hosted the 66th annual NTHS congress in the spring and participated in the planning and execution of an excursion to Singapore together with the Section for Fluid Mechanics, Marine and Maritime Technology at DTU Mechanical Engineering. Of course we also held the traditional Martha summer party and the notorious Christmas lunch.

The NTHS congress was a great success. We have received overwhelmingly positive feedback from the participants and it would seem that we have reached our goal of presenting the fact that the Danish maritime industry is broad, adverse and certainly not dying out.

Nul-Kryds also continued the efforts to increase interest in studying maritime technology at DTU. This was one of the purposes of holding the Singapore Excursion and also the reason for having the Tech Event. This has been a focus area of Nul-Kryds for the past couple of years, and it would seem that it is starting to bear fruit. Attendance to the maritime courses is at a long-time high and at the Christmas lunch we had more than 30 participants.

In 2014 we will shift some of our focus to providing more direct benefits for the members of Nul-Kryds. This could be through more company presentations, establishment of a Nul-Kryds library of supplemental textbooks and more social events. We also plan to hold an evening course in the use of NAPA software package. A new international excursion is already planned from the Section and Nul-Kryds will most likely be involved again this year.

Finally, I would like to express our gratitude for the support Nul-Kryds receives from the sponsoring companies and foundations. Without this support, financial as well as the interest and willingness to engage in cooperation in our various arrangements, it would be impossible to fulfill the purpose of Nul-Kryds.

Lasse Normann de Boer
President of Nul-Kryds

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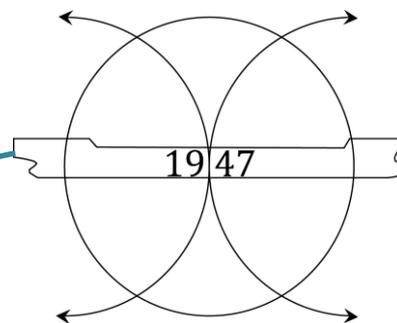
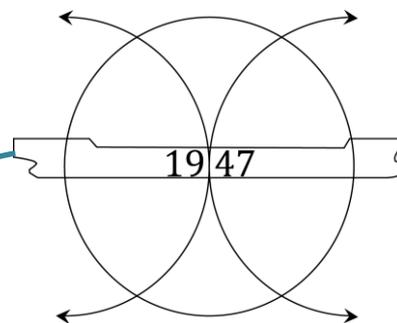


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Organization

Resumé of the General Assembly

The previous year's activities, including the planning and execution of the 2013 NTHS congress, were presented for the participating members by the Vice-president as stand-in for the President, who has moved to Gothenburg to continue his Nordic Master studies. The election period for the board is more or less aligned with the academic year. However, due to various circumstances the annual report summarizes the activities for the calendar year. The activities presented on the general assembly are thus only partly described in this report.

After the Presidents presentation the accounts were presented by the Vice-president in the absence of the Treasurer. The accounts were reviewed and accepted by the members present.

A proposal to make minor changes to the articles of the association were made and accepted. The changes were minor and primarily the make the articles up to date. For instance the meeting time and location of the board was made more flexible and the requirement for participation in the introductory party removed as such a party is not known anymore.

Finally, the election of the new board was performed. There was a limited number of applicants present, and the result by voting became as shown below.

Board members

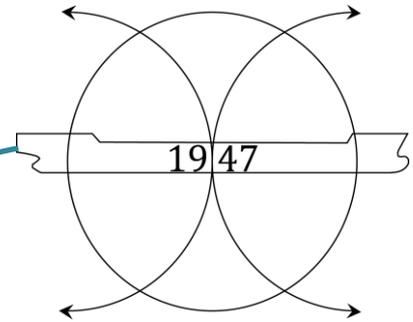
Elections for Q1 and Q2 took place on general assembly 04.10.2012

Elections for Q3 and Q4 took place on general assembly 01.10.2013

	Board: Q1 and Q2	Board: Q3 and Q4
<i>President:</i>	Thor Peter Andersen	Lasse Normann de Boer
<i>Vice president:</i>	Lasse Normann de Boer	Drude Hundevadt
<i>Treasurer:</i>	Sune Thonesen	Sune Thonesen
<i>Board member:</i>	Drude Hundevadt	Christian Simon Nielsen
<i>Board member:</i>	Niclas Oddur Niclasen	Heye Peters
<i>First substitute member:</i>	Aleksander Hamdan	Kasper Fønss Bach
<i>Second substitute member:</i>	Jacob Frøhlich	Hongran Li

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NTHS 2013 in Denmark

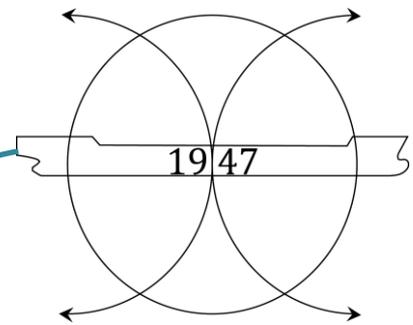
The 2013 congress was hosted by Nul-Kryds and held in April. The planning of the congress already started back in the late summer of 2012. It was a lot of hard work for the planning group, but the result was very satisfying. The congress was a very big success thanks to the many dedicated students attending and, not least, the participating companies and all of our sponsors. It is fantastic and quite unique that it has been possible to hold this congress every year since 1947.

Somewhat after the congress a dedicated report documenting the course of the week, the various visits and the general purpose of the congress was made. This report was then distributed to the participating student unions and the sponsoring companies and foundations. The report is provided as an attachment to this annual report.



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Martha Evening

Martha evening is one of the most traditional social events hosted by Nul-Kryds. This year's Martha evening was hosted in June. Both present and former members attended. This event serves the purpose of making friendships and connections between former and present members of Nul-Kryds and thereby between the maritime industry and the students.

It also serves as a great opportunity to get to know the exchange students studying maritime engineering here at DTU.

This combination of participants provides a great opportunity for all to expand one's network, both social and professional.

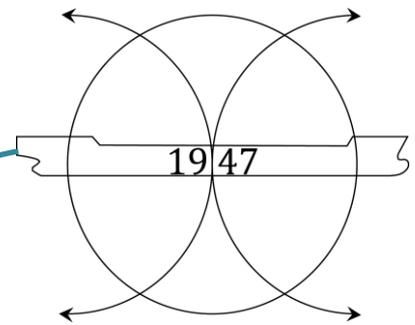
At the Martha Evening it is tradition to watch the good old SS Martha movie, of course with English subtitles, and barbequing at DTU. The event went very well this year.

Due to the great number of participants this year it was possible to have a whole roasted lamb to widespread satisfaction among the members. The talking, singing and dancing continued way beyond the sunset.



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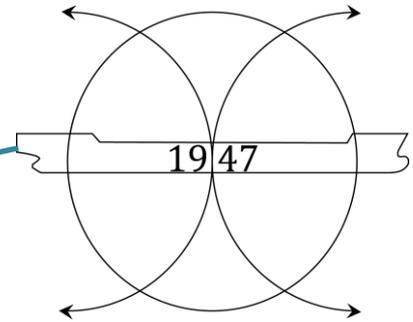
NMME Social Visit

In September, DTU hosted the annual Nordic Master Social Gathering. All new participants for the Nordic Master programme visited DTU for an introduction weekend and Nul-kryds assisted in the event. We started at DTU, where representatives from the Nordic Five presented their respective universities. Afterwards the students visited Force Technology and Maersk, in order to get an insight in the Danish maritime industry. The following day, a trip was arranged to Helsingør, where the old steam icebreaker S/S Bjørn took us for a joyfull ride – where the students took turns in showelling coal.



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Singapore Excursion

The maritime sector of DTU arranged an excursion to Singapore in the autumn of 2013, with 26 students participating. Nul-kryds helped in the planning process and arranged all practical matters while abroad, including transportation and dinner. In Singapore we visited the following companies: Lloyd's Global Technology Centre, Keppel FELS, Port of Tanjung Pelepas, Mærsk Drilling, Force Technology and Singapore Terminals.



Words from the president (from the official DTU report)

A trip like this gives the participants a unique opportunity to get a feel of the area they work with on a daily basis. It is one thing to design and analyze a container ship at the campus in Lyngby, another thing to enter such a ship in real life. An experience like that increases the interest for the maritime industry and brings a new perspective into the lecture rooms.

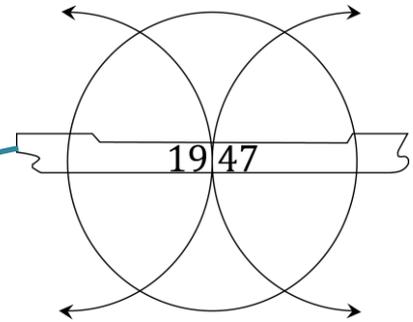
The trip encouraged discussions and knowledge sharing amongst the students. Most people had other experience from e.g. other excursions, student jobs, courses, etc., which were discussed with the other participants. This was in my opinion a great addition to the knowledge we gained from the companies we visited.

Also on a social level, the trip showed itself meaningful as most participants improved their networks. Stories from the Singapore trip are often heard in the hallways and Friday bars.

On behalf of the students, I would like to thank the support from foundations that made the trip possible. I am certain that all the participants have had an amazing experience – both on a social and academic level.

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Tech Event

In the end of October the recruitment campaign World Careers (a part of the Danish Shipowners Association) held the annual Tech Event. Also this year Nul-Kryds participated as a partner in the event. Nul-Kryds contributed by recruiting students for the day and with practical assistance during and after the event. The purpose of the Tech Event is to increase interest and focus on the area of maritime technology among engineering students. Also this year the event was a great success. A number of interesting companies participated; Maersk Maritime Technology, Force Technology, OSK-Shiptech and Principia North to name a few. The event attracted about 70 interested students.



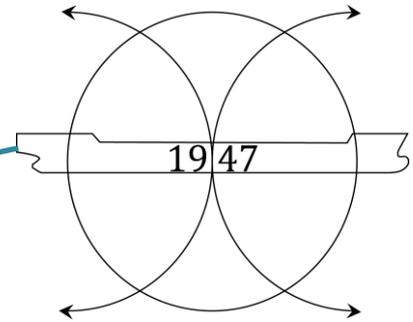
This year, the event was scheduled a little differently. After a short presentation from the company representatives a number of case sessions were held. The students could then go to the presentations they found most interesting. At the presentations the company would present an actual problem or project they had solved. The presenters had been asked to make the presentations technical and not just about the company facts. This sparked a great interest from the students.

After the first case session it was possible to walk around the fair area and talk with the company representatives at their respective stalls, thereby deciding which company to follow during the second and last case session. The final presentation was held for all participants and was about the educational possibilities and offers at DTU within maritime technology. In this context also the President of Nul-Kryds was on the podium and presented the union; what it is, who it is and what benefits of joining are.

Finally, the day concluded by another round of networking at the job/project fair and the possibility of a freshly cooked hotdog.

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Christmas Lunch and Paperboat Competition

The traditional Christmas lunch took place on November 16th. The Christmas lunch is one of the most important social events, which assembles both present and former members of Nul-Kryds. This event serves the purpose of creating friendships and improving networks between students and people already working in the industry. This year, 25 present and former Nul-Kryds members attended the festivities, which consisted of a traditional Danish Christmas feast including Meatballs, Roasted Pork, herring, Ris a la mande and of course the mandatory snaps.



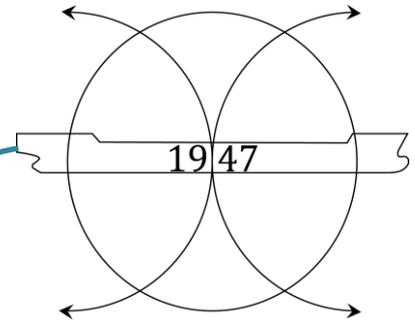
The glorious annual Paper Boat Design Competition was held just before the Christmas lunch. This year the paper boats were not build days before the event. Instead participants designed and build paper boats before the competition while enjoying a glass of Glögg and discussing the optimal design strategy with the other contestants.

The Paper Boat Competition is a yearly recurring event, which has been running for more than 10 years, with one very simple objective; the contestants must build a paper boat with a lightweight not exceeding 10 gram, and the contestant with the highest deadweight to lightweight ratio is crowned the winner. Additionally, to secure maximum safety and aesthetics of the paper boats, following strict rules and regulations applies:

- The ratio of length to breadth must be larger than 2
- The midship section coefficient must be less than 0.95 for all draughts
- The half angle of entrance of the bow must be less than 30° at all draughts

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The deadweight/lightweight ratio is determined, by loading the paper boat with sand until the ships sinks due to lack of buoyancy or structural failure.

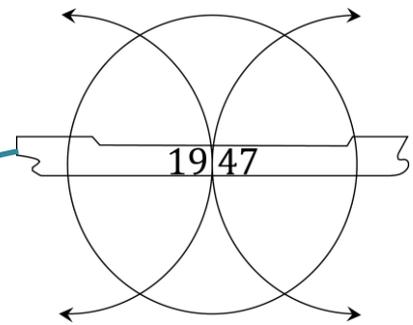
The winners of the Paper Boat Competition 2013 was:

- 1st Aleksander Hamdan
- 2nd Kasper Fønss Bach
- 3rd Christian Råe Holm & Martin Frederiksen

The winners were rewarded, besides eternal glory in Nul-Kryds, with a bottle of quality snaps, a Nul-Kryds mug and a diploma.

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Trip to the new Maritime Museum of Denmark

In one of the first board meetings after the general assembly on October 1st several possible activities for the members of Nul-Kryds were discussed. One of these was a group excursion to the new Maritime Museum of Denmark in Elsinore. The idea was immediately popular, so a bus for around 15 persons was organized and the event was advertised thru a poster and facebook/intranet. We met around 12 o'clock Saturday November 30th and after a little refreshment-shopping the bus departed for a nice afternoon in the dock of Elsinore's old Shipyard.

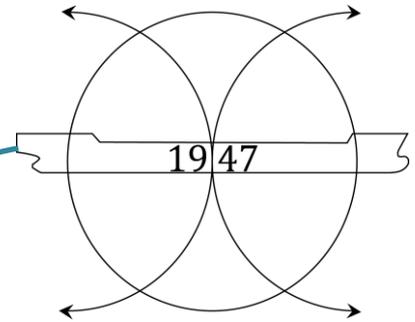
The trip offered interesting modern architecture, but also a good look into maritime history from hanseatic heydays, over triangular trades, navies of the world wars, and forth to contemporary topics like the Maersk's new triple-E class.

The museum has clearly become more modern since the days, when it still was located in Kronborg castle. Not only the architecture with slightly sloping floors which guide the visitor thru the exhibitions, but also many audio posts where visitors for example can listen to tales from the seven seas produce a nice maritime mood. Another good feature that could be mentioned is a computer game, which simulates merchant shipping in the 18th century. The mission of course is to earn money, but on the journey the visitor gets to see many exhibits that tell stories about life back in those days.

After a couple of hours in the museum, we had a quick bite to eat at a local hotdog stand, and a beer in the bus. We returned home at around 5 o'clock in the evening.

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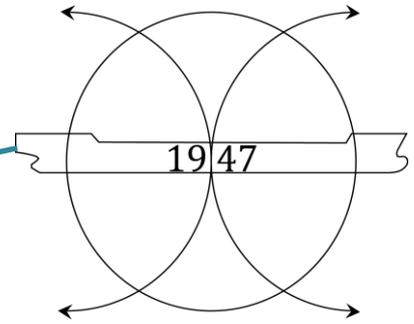
Plans for 2014

Due to the recruitment activities like the Tech-events in the last couple of years the number of students interested in maritime industry has increased. Our main objective for this year will therefore be to maintain the interest and offer activities for the existing members.

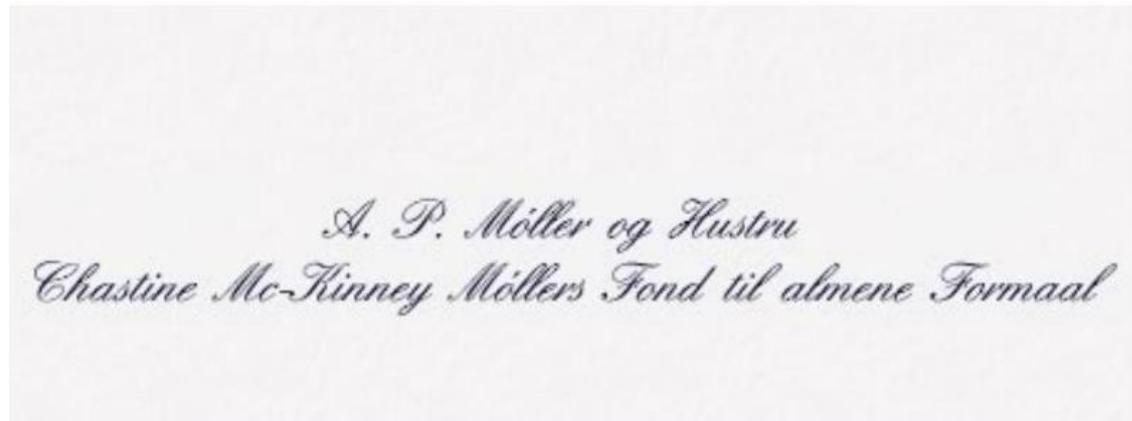
Some of the activities in the pipeline are a NAPA-course, company evenings, SS Martha evening, our annual Christmas party and of course the NTHS congress. In general we are trying to organize more activities to promote contact between students and the industry as well as social activities for fellow students.

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