Lauren Redhead fishfossilfake

Goldsmiths

UNIVERSITY OF LONDON



image (previous page): fishfossilfake performance, showing (l-r) Henry McPherson, Ellen Sargen, Amy Jolly, Alistair Zaldua, 9th May 2025. Photograph: Daryl Feehely.

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Lauren Redhead fishfossilfake Music Goldsmiths, University of London *image:* fishfossilfake *performance, showing Amy Jolly and Alistair Zaldua,* 9th May 2025. Photograph: Daryl Feehely.





Lauren Redhead fishfossilfake Music Goldsmiths, University of London fishfossilfake is a 30-minute composition for ensemble and electronic sound, that combines graphic notation, instructions for improvisation, text notation and some stave-notated sections (such as an organum). The intention of this combination of notational approaches is to create music that may combine spontaneity and an experimental or environmental approach to sound with the management of a larger-scale musical structure. Poetically, the piece is a musical exploration of the mystical, mythical, unchartered and obscure world under the sea. The strange properties of this world have been gathered from medieval and earlier art, from discussions of sea animals in medieval and contemporary texts, and from recipes. This combination of source materials has been used to paint a picture of the undersea as uncanny, while also foregrounding issues of environmental change and human intervention in the lives of undersea creatures. This is further emphasised by the inclusion of these spoken texts both as sound and as notation in the music. Three animals have been chosen through which to explore this world, roughly corresponding to the three sections of the piece: the sea bass (who is fished, prepared, cooked and eaten); the four hundred year old shark (the Greenland shark, who has seen many changes in the ocean during her life); and the narwhal (who must be seen to be misunderstood, or perhaps believed). The musical ocean in which these animals exist is comprised of constant change, distortion, blurred repetition and development, creating the impression that nothing about these animals and the environment in which they live can be conclusively known. Sonically, this shifting and changing is achieved through the combination of notational approaches and compositional styles brought together in the piece, and their combination with electronic sound that is created from instrumental and field recordings that are re-combined and distorted throughout the piece.

Research Questions

Since this piece continues and extends creative practices using experimental forms of notation that underpin the majority of my compositional work, the research questions explored in this piece also demonstrate this overlap. It may be considered as an iteration of my compositional practice with graphic notation and text, as well as the integration of improvisation as a tool for composition. Therefore, the research questions explicitly explored in this piece relate to the combination of these ideas in a largescale work intended for live performance:

- What methods of scoring might successfully integrate the combination of improvisation, graphic notation, stave notation, and electronic materials in live performance, with the aim of preserving spontaneity while maintaining the intended shape of the piece?
- How can the source materials used to inform the creation of text and images in the piece be used to concurrently foreground the compositional methods of the piece, and its thematic links to environmental change?

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Methods

The piece is composed in three sections, each of which broadly correspond to one of the terms in the title, and each of which is framed around an extractable composition.

The extractable pieces are:

- fish <u>the sea bass</u> (text for performance)
- fossil <u>the four hundred year old shark</u> (graphic score, with text for performance)
- fake <u>the narwhal</u> (graphic score, with text for performance)

This piece extends compositional methods that were used in my previous pieces <u>the whale (2020)</u> and <u>the octopus</u> (2020), including the combination of text, graphic notation and scored notation, the combination of composition and improvisation, and the composition of extractable works. *fishfossilfake* extends these ways of working since the piece is scored for and released by live improvising performers, rather than combining improvised responses as fixed media in a studiobased process. This has further resulted in the necessity of the creation of multiple types of instruction-based and hybrid notations for the ensemble that enable the piece to be sustained over its 30 minutes duration, and effective transitions between different types of notation and performance.

The following 3 pages give an overview of the structure of the piece, its musical materials and the reference materials used to create it.

Lauren Redhead fishfossilfake Music Goldsmiths, University of London image: fishfossilfake performance, showing Pete Furniss, 9th May 2025. Photograph: Daryl Feehely.



Composition Overview

Section	Duration	Notes, descriptions and sources		
section 1: fish section				
(fish)	0.00 -1.00	Fade in of electronic sound: Includes a granular version of a recording of a squeaky harmonium and some environmental sounds from a soundwalk undertaken on the island of San Servolo, Venice		
(fish)	1.00 – 2.00	 (Electronic sound continues) Musicians to pick out very sparse notes or phrase from the 'fishfossilfake tunes'* score (each musician will only play 1-4 times during this minute) Quiet dynamics across ensemble and electronics. *An additional score created with notated and filtered versions of traditional and music hall tunes related to 		
		the sea.		
(fish)	2.00 – 3.00	Drones: the musicians play one breath texture with different articulations. Electronic sound fades out.		
recipe section	3.00 – 6.00	Text of recipes, with some ensemble sound. Recipes are instructions for ensemble playing (improvised).		
(fish)	6.00 – 7.00	Ensemble regular rhythm with embellishments.		
extractable piece: <i>the</i> <i>seabass</i>	7.00 – 10.00	Poem/text: <i>the seabass</i> Combined with a composed fixed media part in which environmental sound returns Ensemble play on the instruction: 'sea bass' with different suggestions and instructions of how to play		

Composition Overview

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Section 2: fossil	section	
(fossil)	10.00 – 11.00	Electronic interlude: introducing percussion sounds
(fossil)	11.00 – 12.00	Entrance of instrumental sounds, with multiple attacks; electronic sound continues
(fossil)	12.00 – 13.00	Electronic sounds fade out 'Whispering' emerges from ensemble and electronics
(fossil)	13.00 – 15.00	Fully composed section for ensemble reflecting the percussion sounds from 10:00
(fossil)	15.00 – 16.00	Taxonomy of fish fossils, with pointillist sound and spoken text
shark poem	16.00 – 17.00	Shark poem with electronic sound
extractable piece: <i>the four</i> <i>hundred year</i> <i>old shark</i>	17.00 – 20.00	 Graphic score materials and composed electronic sounds. Bibliography of source materials used to create the score and text: Constantino, G. (12August 2014). 'Sharks were once called sea-dogs, and other little-known facts'. <i>Smithsonian Magazine</i>. https://www.smithsonianmag.com/science-nature/sharks-were-once-called-sea-dogs-and-other-little-known-facts-180952320/ Fioravanti, T., Maio, N., Psomadakis, P. N., Manzotti, S., Gigante, A. P., Splendiani, A., Bottaro, M., & Caputo Barucchi, V. (2023). 'The sawfish (Rhinopristiformes, Pristidae) rostrum displayed in the "Basilica Santuario del Carmine Maggiore" in Naples, Italy: A long story of legends and taxonomic errors'. <i>Contributions to Zoology</i>. 92.5. 431-450. https://doi.org/10.1163/18759866-bja10048 Image: The rostrum of a sawfish affixed to the wall in the church of Santa Maria del Carmine in Naples, Italy. Learn, J. R. (22 May 2018). 'Historical Art Paints a Picture of Past Shark Abundance'. <i>Hakai Magazine</i>. https://hakaimagazine.com/features/historical-art-paints-picture-past-shark-abundance/ Litman-Navarro, K. (6 September 2017). 'The Delicate Art of Illustrating Ancient Sharks.' <i>Atlas Obscura</i>. https://www.atlasobscura.com/articles/shark-illustrations-aaron-john-gregory Living Sharks Museum. (n.d.) 'Commercial Uses of Sharks'. <i>livingsharks</i>.com. https://www.livingsharks.org/sharkproducts Manuscript image from 'History and True Novel of the Duke of Lyon de Bourges' Monuscript image: Paris, Bibliothèque Sainte-Geneviève, MS 98 Rob Stewart Sharkwater Foundation. (2022) 'Warning: Contains Sharks'. <i>robstewartsharkwaterfoundation.org</i>. https://www.robstewartsharkwaterfoundation.org. https://www.robstewartsharkwaterfoundation.org. https://www.robstewartsharkwaterfoundation.org. August Parise Mises en Partition pour l'Orgue. Paris. Rob Stewart Sharkwater Foundation. (2022) 'Warning: Contains Sharks'. <i>robstewartsharkwaterfoundation.org</i>. https://www.rob

Composition Overview

Section 3: fake section			
(fake)	20.00 - 21.00	Composed electronic interlude, employing distortions of pervious electronic material	
(fake)	21.00 – 23.00	Electronics: long tone and drone section. Electronics to mimic this by fading in and out in waves.	
(fake)	23.00 – 25.00	Organum: fully composed scored section for ensemble.	
narwhal text	25.00 – 26.00	Narwhal poem begins.	
extractable piece: the narwhal	26.00 – 29.00	 Graphic score materials and composed electronic sounds. Bibliography of source materials used to create the score and text: Daston, L., and K. Park. (1998). <i>Wonders and the Order of Nature 1150–1750</i>. Princeton, New Jersey: Zone Books. Duffin, Christopher J. (January 2017). "Fish', fossil and fake: medicinal unicorn horn". Geological Society, London, Special Publications. 452 (1): 211–259. McLeish, T. (1 April 2012). 'Ancient and Exaggerated: Narwhals through History'. <i>The Narwhal's Left Tooth: Reflections on wildlife and natural history</i>. https://narwhalslefttooth.blogspot.com/2012/04/ancient-and-exaggerated-narwhals.html [blogpost]. Narwhal Research. (2025). 'THE NARWHAL: Extraordinary Unicorn of the Sea'. <i>narwhal.org</i>. https://www.narwhals.org/. Pluskowski, A. (2004). 'Narwhals or Unicoms? Exotic Animals as Material Culture in Medieval Europe'. <i>European Journal of Archaeology</i>. 7.3. 291-313. https://doi.org/10.1177/1461957104056505 Roberday, F. (1660) <i>Fuges, et Caprices, a Quartre Parties Mises en Partition pour l'Orgue</i>. Paris. Schmölcke, Ulrich. 2022. "What about Exotic Species? Significance of Remains of Strange and Alien Animals in the Baltic Sea Region, Focusing on the Period from the Viking Age to High Medieval Times (800–1300 CE)" <i>Heritage</i>. 5.4. 3864-3880. https://doi.org/10.3390/heritage5040199 Sherman, Josepha (2015). Storytelling: An Encyclopedia of Mythology and Folklore. Routledge. p. 476. ISBN 978-1-317-45938-5. Archived from the original on 28 September 2023. Retrieved 18 September 2023. WWF. (n.d.) 'Unicorn of the Sea: Narwhal Facts'. https://www.worldwildlife.org/stories/unicorn-of-the-sea-narwhal-facts 	
(fake)	29.00 – 30.00	Electronic Coda	

Dissemination: Performance

The first performance of the piece took place on 9^{th} May 2025 with the performers:

<u>Pete Furniss</u> - clarinets <u>Amy Jolly</u> - cello <u>Henry McPherson</u> - recorders Lauren Redhead - electronic sound <u>Ellen Sargen</u> - flute Alistair Zaldua – e-violin

This ensemble was brought together specifically for the performance of the piece, and comprises musicians who are all specialists in contemporary music performance, improvisation and collaboration.

0 fishfossilfake sharing concert On Being Watched (20') fishfossilfake (30') Bonjour Claude Lauren Redhead Amy Jolly and Ellen Sargen ecollage 3 (10') Henry McPherson ochre, red (10') Alistair Zaldua Musicians Pete Furniss - clarinets Amy Jolly - cello Henry McPherson - recorders, piano Lauren Redhead - electronic sound Ellen Sargen - flute Alistair Zaldua - eviolin Friday 9th May Levenshulme Old Library Cromwell Grove Levenshulme, Manchester, M19 3QE 6.30: doors open 7.00(ish): doors close for performance 7.15: music By 8.30: finish

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fishfossilfake album cover created from notation extract

Dissemination: Download

A recording was made of the concert on 9th May and was released as a download.

The download is both a documentation of the piece, and a further dissemination of the work to audiences who were unable to attend the conference.

The piece can be streamed or downloaded for free from Bandcamp.

laurenredhead



fishfossilfake

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Score

The score for the piece addresses the answers to the research questions posed in this project: it contains the solutions arrived at to the management of multiple sources or styles of notational information which are ordered in time. The success of these solutions is documented in the recording of the first performance of the piece.

The texts composed for the piece are not only heard in the electronic part but are also included either in full or as part of the collage of notations in the score.

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image: fishfossilfake performance, showing Henry McPherson, 9th May 2025. Photograph: Daryl Feehely.

fishfossilfake lauren redhead 2025 performance notes

all performers need a timer during the performance, to synchronise the various sections of the piece.

the video score can also be used in place of a timer, alongside the additional graphic and notation materials.

for the most part, the scores and instructions afford a wide range of interpretation by design. performers are encouraged to consider these instructions primarily in sound.

§1: Fish

0:00 - 1:00 : electronic sound. ensemble tacet.

1:00 - 2:00 : (electronic sound continues)

ensemble: play a small number of sparsely distributed gestures, each performer playing only 1 - 4 times during this minute. pitches for these gestures to be taken from the 'FishFossilFake tunes; rhythmic details free. p - mp

2:00 - 3:00 : (electronic sound continues)

ensemble: drone section

a series of long tones, the pitches derived from the 'FishFossilFake tunes'. play quasi-continuously, varying accents and timbre.

p - mf

examples of this:



3:00 - 6:00 : sea bass recipe (electronic sound)

ensemble: the recipe should also be treated as instructions for playing/sounding/improvising:

a large family of white fish with more than 400 species add a little more ... until it is bubbling arrange in groups the length of each fish arrange on a large tray ask your fishmonger to do this bake the fish blend until totally smooth cook properly cook this fish in any number of ways continue all the way around until there is just a little hole at the end cover with some cling film cut into matchsticks cut them in half if large divide between two plates dredge, shaking off any excess do it quickly drop them into a bowl feels firm when pressed finely grate first, remove moisture flake easily with a fork

fold over the parcel so it becomes a triangle following the instructions give a tasty makeover heat the grill to high immediately, pull the fish out it's best not to reheat keep these tips in mind lay a square of foil on your work surface with a square of baking parchment the same size on top leave the bones (but not the heads) let your guests open them up themselves lightly score the skin neatly drizzle pass through a fine sieve peel away and discard place a couple on top place or angle to stop it from sticking pop them under pour over prepare a day ahead and chill put in a large bowl

repeat, until all the fish are wrapped, sauced and sealed rinse under cold water roughly chop scaled and gutted scrunch the remaining bit to seal season all over season and keep warm or make ahead and reheat serve cold or at room temperature set aside slash the skin slice as thinly as possible soak in cold water splash with water sprinkle start to curl up a bit store in an airtight container for up to three days stuff the cavity transfer to a serving plate turn them carefully upside down wandering around outside whisk together

6:00 - 7:00:

ensemble: regular drone section

segue from **sea bass recipe** to a series of long tones, one breath/bow per note, the pitches derived from the 'FishFossilFake tunes'. play quasi-regularly, varying accents and timbre.

p - mf

examples of this:



7:00 - 10:00 : the sea bass (electronic sound)

ensemble: cue for all instruments to play is the phrase 'sea bass'. each time this is heard, respond with one of the following gestures:



§2: Fossil

10:00 - 11:00 : electronic sound. ensemble tacet.

11:00 - 12:00 : (electronic sound continues)

ensemble: play gestures comprising multiple attacks followed by a long tone
and decrescendo. pitches for these gestures may be taken from the
'FishFossilFake tunes' or improvised.
mf - f

examples of this:



12:00 - 13:00 : (electronic sound continues)

ensemble: final decrescendo to a section of 'whispering': textural section achieved through breathy, sotto-voce, or unstable techniques (for example, half breath/half bow, bowing the wood of the instrument, key sound, etc), mimicking an overheard cacophony of whispered voices. pitch is therefore generally obscured or unstable.

pp - p

examples of this:



13:00 - 15:00 :

ensemble: score (follows)

















15:00 - 16:00 : electronic sound.

ensemble: pointillist section. all performers play individual notes or groups of two notes, each time only when no other performers are playing. p - f

examples of this:



16:00 - 17:00 : electronic sound 'the four hundred year old shark'. ensemble tacet.

17:00 - 20:00 : the four hundred year old shark (electronic sound)

ensemble: graphic score materials to be used as desired and in any order/combination.





the shark ruled the waters of the mediterranean for hundreds of thousands of years



some died after being caught by fishing nets

λ



there is a high probability that there are even more lurking beneath the sea-bed



the sea was so full of sharks

§3: Fake

20:00 - 21:00 : electronic sound. ensemble tacet.

21:00 - 23:00 : (electronic sound continues)

ensemble: drone and long tone section
a series of long tones, the pitches derived from one of the 'FishFossilFake
tunes'. play quasi-continuously, varying accents and timbre.
p - mf
examples of this:



23:00 - 25:00 : organum

ensemble: score (follows)





25:00 - 26:00 : electronic sound 'the narwhal'.

ensemble: reprise drone and long tone section (as 21:00 - 23:00)
pp - p



26:00 - 29:00 : the narwhal (electronic sound)

ensemble: graphic score materials to be used as desired and in any order/combination.







29: 00 - 30:00 : electronic coda. ensemble fade to tacet.

end.