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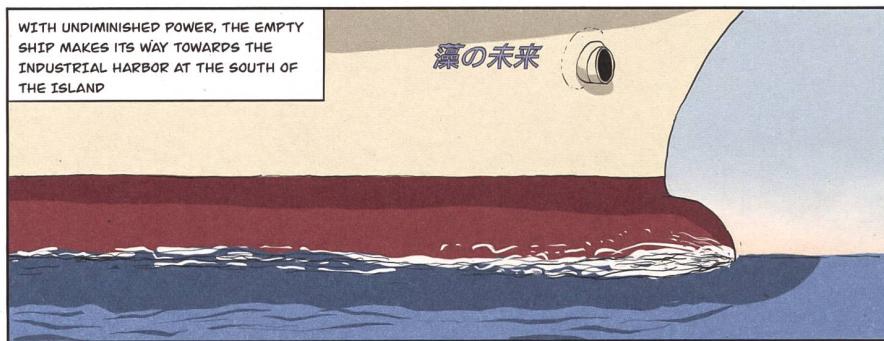
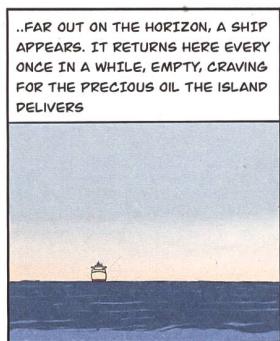
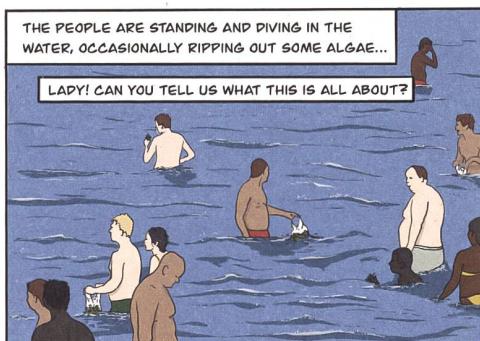
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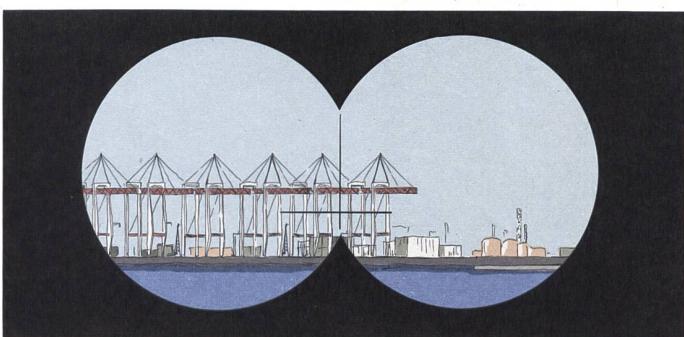
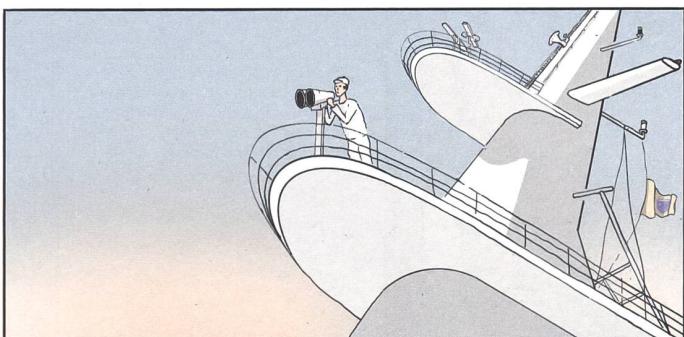
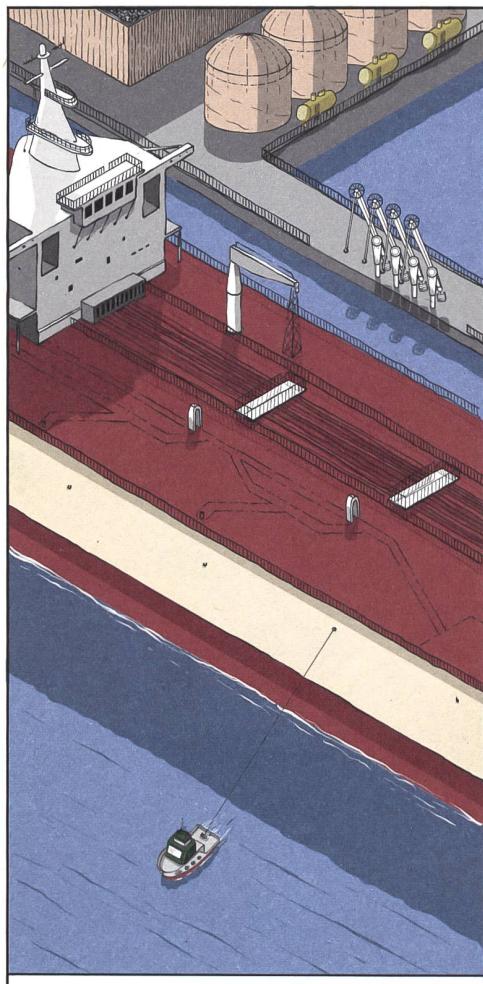
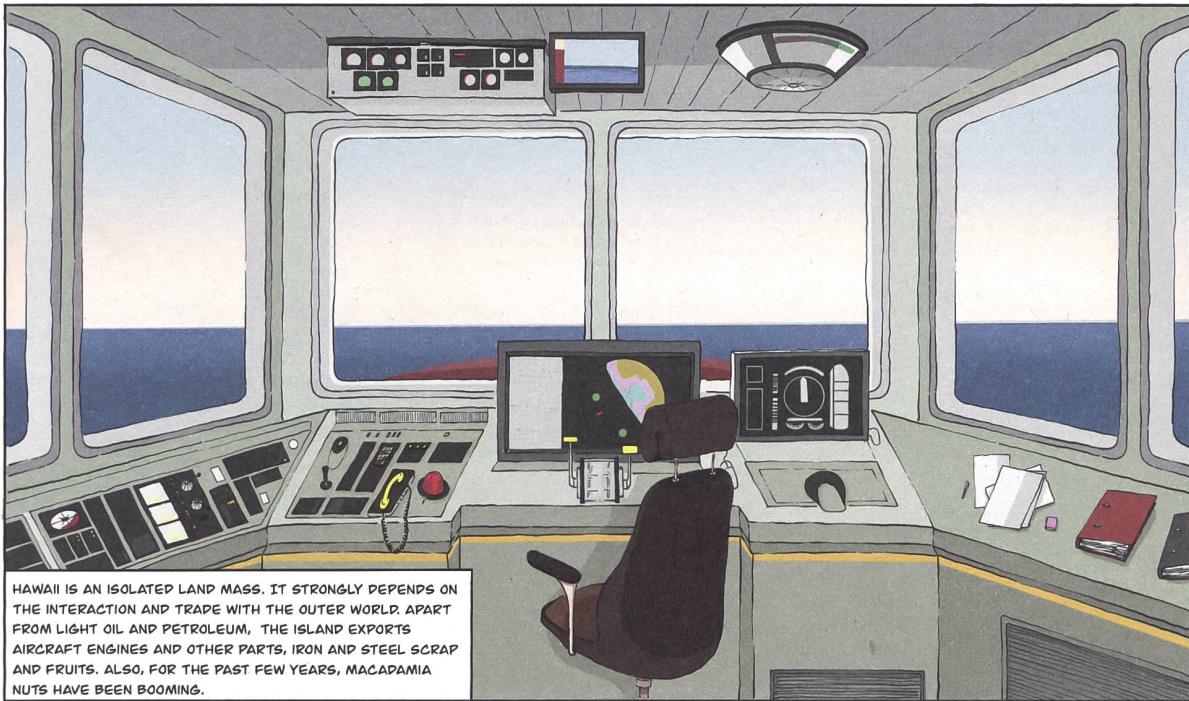
MICROBIAL GLOBALISATION

Davide Morgillo

HN



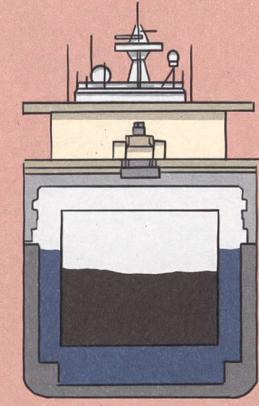
HONOLULU, O‘AHLU, HAWAII USA
5TH JUNE 2020, 05:46 AM
WAIKIKI ALIEN ALGAE CLEANUP EVENT



ONCE ARRIVED, ASSISTANCE COMES TO HELP. TUGBOATS TOW THE GIANT INTO POSITION TO GET CONNECTED TO THE MARINE LOADING ARMS AND FILLED WITH THE BLACK GOLD.

PACIFIC OCEAN, 5TH JUNE 2020,
08:23 AM, OIL TANKER 藻の未来

SHIPS OF THIS KIND NEED A CERTAIN DEAD WEIGHT TO FLOAT STABLE AND PERPENDICULAR IN THE WATER. THIS IS THE CASE WHILE THE SHIP IS FILLED WITH OIL OR LOADED WITH GOODS, BUT AS SOON AS IT GETS EMPTIED IT RISKS GETTING KNOCKED OFF-BALANCE. IN ORDER TO AVOID INSTABILITY, SECONDARY WATER TANKS, WRAPPED AROUND THE OIL TANK, ARE FILLED WITH LOCAL SEAWATER BEFORE TRAVELLING OVERSEAS.



JUST RECEIVED THE CONFIRMATION, REACHED TIPPING OFF, LIQUID FLOW STOPPED. WELL DONE!

CHECK! DID CHIEF OFFICER HABARI INFORM THE OTHERS ABOUT CLEANING THE TANKS?

YES, HE DECIDED TO TRAVEL 2 MORE.

AND THE BALLASTING?

NO CRITICAL STATES

WELL THEN, LET'S FERRY THOSE FRESH 52 THOUSAND GALLONS OF OIL ACROSS THE OCEAN!

ONCE IN O'AHU, THE SEA WATER IS POURED UNFILTERED INTO THE OCEAN WHILE THE OIL TANKS ARE FILLED UP ACCORDING TO THE ORDER.

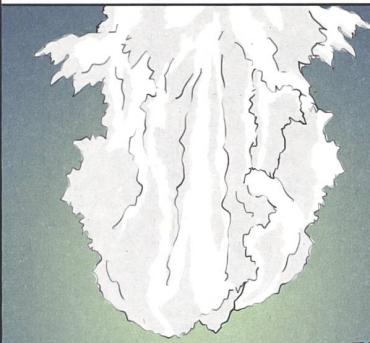


INDUSTRIAL HARBOR OF O'AHU

5TH JUNE 2020, 11:34 AM

TECHNICAL ROOM, OIL TANKER 藻の未来

SEA WATER BROUGHT FROM A FOREIGN DESTINATION IS NOT ONLY HOME TO MARINE MAMMALS, FISHES AND SEAWEEDS BUT ALSO INHABITED, MAINTAINED AND MODULATED BY AN EXTRAORDINARY MIX OF MICROBES, MANY OF WHICH LIVE AT EXTREMES OF LIGHT, TEMPERATURE, PRESSURE AND CHEMISTRY.



NOT BIGGER THAN 5 MICROMETERS, SO CALLED PHYTOPLANKTON COMPLETELY CHANGE THE ECOSYSTEM WITHOUT HUMAN NOTICE. THESE MICRO-ALIENS CATALYSE THE GROWTH OF FOREIGN ALGAE, WHICH LEAVE NO SPACE FOR NATIVE SPECIES.



THE „GRACILARIA SALICORNIA“ IS AN ORANGE-BROWN COLORED INVASIVE ALGAE THAT CAN BE FOUND IN THE SOUTHERN HARBOUR OF O‘AHU.

THIS PARTICULAR SPECIES HAS A SET OF CHARACTERISTICS THAT RENDER IT HARMFUL TO THE ECOSYSTEM. IT IS ADAPTABLE TO DIFFERENT HABITATS AND TOLERANT TO A RANGE OF CONDITIONS LIKE LIGHT, TEMPERATURE AND MOISTURE. ALSO, IT IS ABLE TO FEED ON ALMOST ANY GROUND, AND GROWS EXTREMELY FAST. BY TAKING OVER THE SEAFLOOR, IT DISPLACES NEARLY ALL OTHER PLANTS AND ANIMALS.

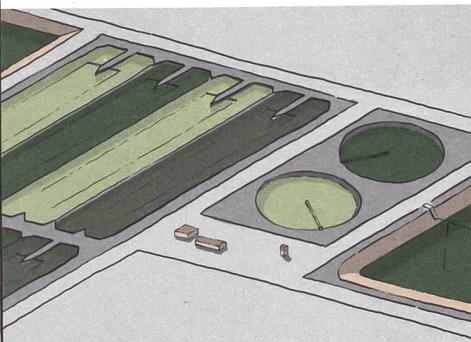
THE INVASIVE ALGAE DISTINGUISHES ITSELF FROM THE NATIVE SEAWEED IN TEXTURE, SHAPE AND TASTE. HOWEVER, THIS CHANGE, AS THE RESULT OF THE TRANSFER OF MICROBES, CAN ONLY BE DETECTED VERY LATE.

INDUSTRIAL HARBOR OF O‘AHU
JUNE 2020
DEEP OCEAN

THE PHENOMENON OF MICROBIAL GLOBALIZATION IS THE RESULT OF HUMAN INDUSTRY. THE MODERN WORLD'S ECONOMY REQUIRES A GLOBAL FLOW OF GOODS AND INFORMATION WITH AN EXTREME SPEED THAT NATURE CAN'T WITHSTAND.



THE INVASIVE ALGAE BLOOM IS SPREADING UNCONTROLLED, REACHING THE NEIGHBOURING ISLANDS MOLOKAI, LANAI AND MAUI.



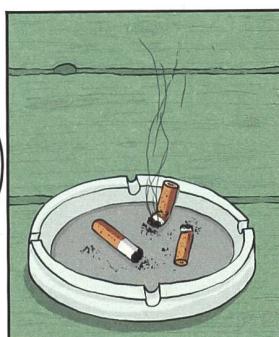
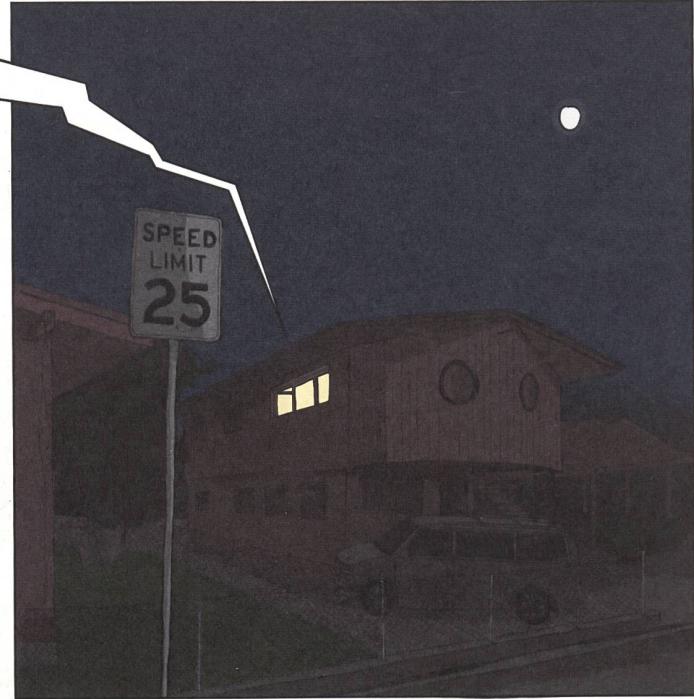
CULTURALLY, ALGAE ARE STRONGLY LINKED TO THE HAWAIIAN PEOPLE. THEY ARE USED FOR EVERYDAY COOKING AND MEDICINE. REPLACING THIS RESOURCE MEANS LOSING A PART OF THEIR CULTURAL IDENTITY.

THAT'S WHY THE NATURAL ENERGY LABORATORY OF HAWAII INVESTED IN ARTIFICIAL PRODUCTION OF NATIVE ALGAE.



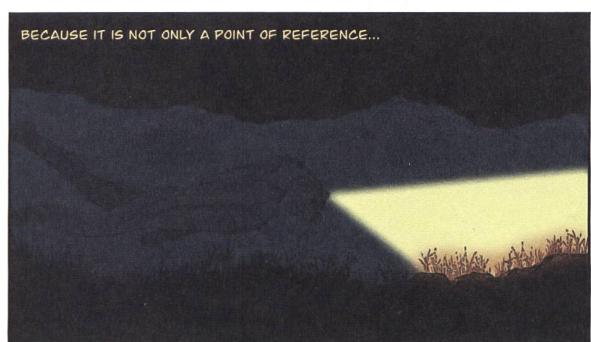
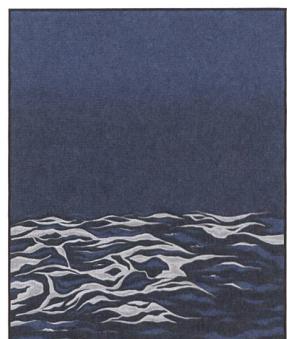
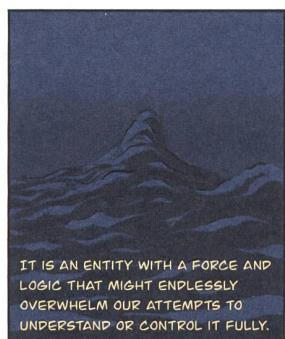
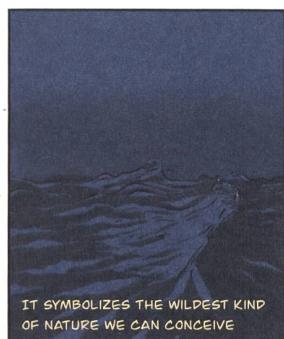
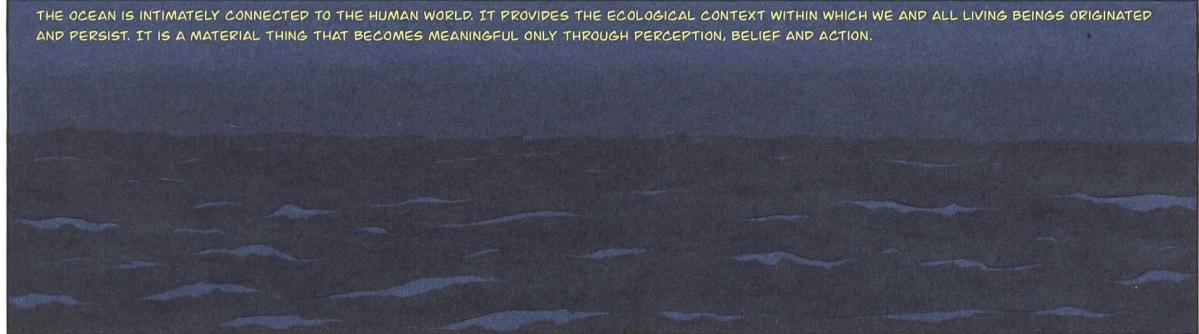
WE PRODUCE ENOUGH NATIVE LIMU SO EVERYONE CAN ENJOY A GOOD AHI LIMU POKE AGAIN

SAYS LAURENT BECKER,
EMPLOYEE OF THE NATURAL ENERGY LABORATORY OF HAWAII



WAHIAWA ON O'AHU
5TH JUNE 2020, 10:18 PM
143 MAKAWEO AVE

THE OCEAN IS INTIMATELY CONNECTED TO THE HUMAN WORLD. IT PROVIDES THE ECOLOGICAL CONTEXT WITHIN WHICH WE AND ALL LIVING BEINGS ORIGINATED AND PERSIST. IT IS A MATERIAL THING THAT BECOMES MEANINGFUL ONLY THROUGH PERCEPTION, BELIEF AND ACTION.



...BUT ALSO THE SOURCE OF UNKNOWN PHENOMENA.
END

INDUSTRIAL HARBOR OF O'AHU
5TH JUNE 2020, 11:58 PM
DEEP OCEAN