ЕКПАІІЕҮTIKO KEIMENO

# ENGLISH GRAMMAR for the <br> Merchant Marine Academies 

Part One



## I $\Delta \mathrm{PY}$ YA EYГENI $\Delta$ OY

XPYIOYN META $\Lambda \Lambda I O N$ AKA $\Delta H M I A \Sigma$ A $\Theta H N \Omega N$


ЕКПАIロEYTIKO KEIMENO



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## ПРОАОГОГ IAPYMATO乏 EYГENIAOY


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 Evjevíov Evزعvídov.

## EIITPOIIH EKДO工ERN IUPYMATOE EYTENIAOY




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# I $\Delta$ P Y M A E Y Г EN I $\Delta$ O Y 

B I B $\Lambda$ I O $\Theta$ HKH T O Y N A Y T I K O Y

## ENGLISH GRAMMAR

 for the Merchant Marine Academies
## PART ONE

HАIA П. TГ $\Omega$ NH
К $\alpha \theta \eta \gamma \eta \tau \eta$ А $\gamma \gamma \lambda \iota x \omega$ А. A.N. Абл@оли́อүои

 lish Grammar for the Merchant Marine Academies) éxદı dúo xúŋıovs otóxovs:

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甲штоүоачía тov є $\xi \omega \varphi$ и́ $\lambda \lambda о v$.

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## PHMA EIMAI

Simple Present (Aл $\lambda$ ós Eveбтю́таऽ).
positive
negative
interrogative


## Examples.

- I'm a deck officer.
- You're late. Your watch is at 06.00.
- The Bosun's 35 years old.
- The Third Mate and the Third Engineer are good friends.
- It's 10.10. The Mate's late again!
- We're on the bridge.
- I am the watch officer tonight.
- I'm sad but I am not angry.
- She isn't a stewardess She's a passenger.
- You are not late for your watch. You're early.
- These seamen aren't Spanish. They're Greek.
- Is the watch officer late? No, he's on time.
- Am I right? No, you're not. You are wrong.
- Are these tankers new?
- Is this a passenger liner? No, she is a cruiser. (or It's a cruiser)

- Where is the ship now? She's in dock. (or It's in dock)
- What's this? It's a container ship.
- How many crew are on board?
- Why are you on the bridge?
- Who's that officer? The Second Mate.


## Questions and short answers.

| - Are you the pilot? | Yes, I am. | No, I am not (No, I'm not). |
| :---: | :---: | :---: |
| - Am I wrong? | Yes, you are. | No, you are not (You're not/aren't). You're right |
| - Is the Mate sick? | Yes, he is. | No, he is not (No, he's not/isn't). |
| - Are these passengers Irish? | Yes, they are. | No, they are not (No, they're not/aren't) |

- Here's the log-book! Thank you.
- There's your boat coming!
- This is your Captain speaking.
- Hurry up! That's the ship's launch.

Notes:
$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 1).

## Exercises.

## (1.1) Write the short forms:

1. he is he's
2. it is not
3. I am not $\qquad$
4. we are $\qquad$
5. you are not $\qquad$
6. that is $\qquad$
(1.2) Put in: am, is, are, isn't, aren't.
7. What ship $\qquad$ she?
8. Hydra and Spetses $\qquad$ (not) big harbours.
9. $\qquad$ Milos an island? Yes, it $\qquad$ .
10. They $\qquad$ officers. They $\qquad$ (not) cadets.
11. $\qquad$ you the Master? Yes, I $\qquad$ -
12. The Captain and the Mate $\qquad$ on the bridge.
13. $\qquad$ he the Electrician? No, he $\qquad$ -.
14. The helmsman and the Mate $\qquad$ on the bridge. Where $\qquad$ the others?
(1.3) Put in the interrogative and the negative:
15. I am a Captain.
16. You are a passenger.
17. He is a cadet.
18. She is a stewardess.
19. It is a cargo ship.
20. We are sailors.
21. You are seamen.
22. They are tankers.

## (1.4) Match the right answers to the questions:

1. How many sails are there on the masts?
A. The sailing boats.
2. Here are the sails?
B. Red and black.
C. On the masts.
3. Which boats are beautiful?
D. There are nine.
4. Are these lifesavers on board?
E. The electrician's.
5. Whose work is that?
F. Yes, they are.

## J am not a Captain

Am J a Captain?
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
(1.5) Write complete sentences:

## Example:

(That / a cargo-ship)
That is a cargo-ship.

1. (She / not / a passenger-ship)
2. (The container-ships / in port)
3. (The deck-officers / not / on board / now
4. (The Captain / on the bridge)
5. (These / sailing-boats)
6. (This / her maiden voyage)
(1.6) Make questions. Use is, are.

## Example:

(the Master / on the bridge)?
Is the Master on the bridge?
2. (the Bosun and the Third Mate / aft)
3. (these passengers / from Naxos)?
4. (those islands / Greek)?
5. (the ship in the distance / a tanker)?
6. (the Pilot / on board)?
$\qquad$



Simple Past (Aлдós Aó@ıбтos).

| positive |  | negative |  | short form |  | interrogative |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I he she it | was | I <br> he she it | was not | I <br> he <br> she <br> it | wasn't | was | I? <br> he? <br> she? <br> it? |
| we <br> you <br> they | were | we <br> you <br> they | were not | we <br> you <br> they | weren't | were | we? <br> you? <br> they? |

- After his 4-hour watch the Third Engineer was tired and hungry.
- Ten minutes ago the Captain and the Mate were on the bridge.
- The Mate was angry because the two deck hands were not around.
- She was very unhappy but I was not able to help her.
- It was midnight but I wasn't very sleepy.
- It wasn't late but there weren't any passengers on the promenade deck.
- The sunset was beautiful but the Mate wasn't interested
- Were you in the galley half an hour ago? No, I was in my cabin.
- Was the Captain angry about the mistake? Yes, he was very angry.
- Were the officers ready for sailing? No, they were still below.
- Where were the ABs? They were at their posts.
- Who was the beautiful lady on the promenade deck? A French passenger.
- How many officers were on board? There were ten.
- Which officer was Polish? The Third Mate.


## Questions and short answers.

- Was the Second Mate in his cabin?
- Were the men ready to dock?
- Were you an apprentice on the 'Eva'?
- Was the Captain's wife on board?
- Were you in the rescue team?

Yes, he was.
Yes, they were.
Yes, I was.
Yes, she was.
Yes, we were.

No, he was not (wasn't).
No, they were not (weren't).
No, I was not (wasn't).
No, she was not (wasn't).
No, we were not (weren't).

## Notes:

$\qquad$
$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 2)

## Exercises.

(2.1) Put in was/were in the blanks, and then put the sentences in the interrogative and the negative: Example:

1. I $\qquad$ a Captain.
Was J a Captain?

I was not a Captain.
2. You $\qquad$ a passenger.
3. He $\qquad$ a cadet.
4. She ___ a stewardess.
5. It $\qquad$ a cargo ship.
6. We $\qquad$ sailors.
7. You $\qquad$ seamen.
8. They ___ tankers.
(2.2) Put in was, were, wasn't, weren't.

From Xenia's diary: Mykonos $\qquad$ a beautiful small island. It $\qquad$ the summer and there $\qquad$ a lot of visitors on the island. There $\qquad$ Germans*, Americans, Frenchmen and Japanese, but there $\qquad$ any Chinese or Russians. The town $\qquad$ very pretty and the houses $\qquad$ all around the harbour. There
$\qquad$ many shops but there $\qquad$ a shoemaker's. This $\qquad$ bad because my sandals $\qquad$ in need of repair.

* For a list of countries and nationalities see Appendix 2.


## (2.3) Match the questions to the answers:

1. What time was it?
2. What kind of cargo was that?
3. What was the weather like?
4. Were there any members of the crew on the deck?
5. How bad was your insomnia?
6. Were there in any other boats in sight?
7. What were the people on the quay waiting for?
8. Where were you last year?
9. Who was with you?
10. Which of you was on duty last night?
11. What was on fire
12. How much damage was there?
13. What is the passenger waiting for?
A. The engine room.
B. Just terrible.
C. Half past eight.
D. Very good
E. My friend Niko.
F. There was very little.
G. No, there weren't.
H. Yes, there was a yacht in the distance.
I. For his luggage.
J. On a training trip.
K. Corn
L. I was.
M. For the liner to arrive.
14. $\qquad$
15. $\qquad$
16. $\qquad$
17. $\qquad$
18. $\qquad$
19. $\qquad$
20. __G
21. $\qquad$
22. $\qquad$
23. $\qquad$
24. $\qquad$
25. $\qquad$
26. $\qquad$

## (2.4) Write questions.

## Example:

the smoke / toxic

> Was the smoke toxic?

1. the explosion / very dangerous
2. $\qquad$
3. 
4. dangerous goods / on fire
.
5. you / under command
6. the ship / in critical condition
7. 
8. 
9. the boat / in danger of capsizing
10. $\qquad$
(2.5) Give short answers. Use a subject pronoun and was, wasn't, were, weren't.

## Example:

Was the fire under control?

1. Was that a super tanker?

No, it wasn't.
2. Were the fire drills useful?
3. Were the pumps in order?

1. Yes, $\qquad$
2. Was there a gale warning?
3. No, $\qquad$
4. Was there a storm expected in the area?
5. Yes, $\qquad$
6. No, $\qquad$
7. Yes, $\qquad$



## TO PHMA YIIAPX』





## A. Kגíøך Eveøтб́та

Evırós
ПえๆӨиงтıхо́s
there is (there's)
there is not (there isn't OR there's not) is there?

## Practice Unit (3)

## Exercises.

## (3.1) Make sentences with there is/ there are as in the example:

## Example:

(in the Aegean/a lot of islands)
There are a lot of islando in the Aegean Sea.

1. in the chartroom / a lot of maps.
2. in a Scotch boiler / combustion chamber.
3. in a boiler / some safety valves.
4. in this boiler / a main stop valve.
5. in a water-tube boiler / fire proof casing.
(3.2) Put in there's, there are, it's, there isn't, there aren't, is there, are there:

Example:
Well, there are twelve months in a year, but J work only six.

1. Look ! $\qquad$ a free bollard on the quay? No,
2. How many masts $\qquad$ on your sailing ship? three.
3. $\qquad$ a container ship in the harbour. No,
4. $\qquad$ a fast ship sailing at 10.00 . $\qquad$ a flying dolphin?
5. What's wrong? $\qquad$ a war ship in the harbour $\qquad$
6. I don't want to buy the boat. $\qquad$
(3.3) Put in there was/wasn't, there were/weren't, was there(?), were there(?):
7. As electricity was very important, $\qquad$ spare generators on board.
8. They wanted to rent a boat, but $\qquad$ any in the harbour at the moment.
9. $\qquad$ a hotel near the quay? No, $\qquad$ I had to carry my suitcases a mile away. Fortunately $\qquad$ a boy who offered to help.
10. $\qquad$ any telexes for the Captain yesterday?



## PHMA EX $\Omega$

Simple Present (have/has or have/has got)

| positive |  |  |  | negative |  |  | interrogative |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| I <br> you | have | I've <br> you've | got | you | have not <br> (haven't) | got | have | I <br> you | got? |
| he <br> she <br> it | has | he's <br> she's <br> it's | got | he | she <br> it | has not <br> (hasn't) | got | has | he <br> she <br> it |
| we <br> you <br> they | have | you've <br> they've | got | we <br> you <br> they | have not <br> (haven't) | got | have | you <br> they | got? |

I have or I have got sth = It is mine or it belongs to me or I own it

- Sailing boats have got high masts for their sails.
- II have (have got) a row-boat but you've got a motor-boat.
- She is a cargo-ship. She's got (has) large holds.


## Questions and short answers.

| Have you (got) a compass? | Yes, I have. | No, I have not / haven't. |
| :--- | :--- | :--- |
| Has he (got) a telescope? | Yes, he has. | No, he has not / hasn't. |
| Has the 'ELLI' got 40 guns? | Yes, she has. | No, she hasn't. |
| Have the ferry boats got good | Yes, they have. | No, they haven't. |
| Captains? |  |  |

Simple Past (had) - (Aлдós Aóototos).

| I had (I'd) OR I had got | I had not (hadn't) OR hadn't got | had I? OR had I got? |
| :--- | :--- | :--- |

- I had major damage above the water line.
- They had a leak below the water line.
- Had the cargo liner got a dangerous list? Yes, she had.
- Had the seamen got permission to go ashore? No, they hadn't.


## Notes:

$\qquad$
$\qquad$

## PRACTICE (Unit 4)

## Exercises.

## (4.1) Write sentences in the present and in the past as in the example:

## Example:

car/ four wheels/ engine/ exhaust
This is a car. It has got four wheels, an engine and an exhaust. This was a car. It had got four wheels, an engine and an exhaust.

1. ship/ two anchors/ engine/ propeller

This
That
$\qquad$
2. sailing-boats/ three masts/ rudder/ tiller

These $\qquad$
Those
3. motor-boats/ outboard engines/ high speed

These $\qquad$
Those $\qquad$
4. tug-boat/ powerful engines/ low superstructure/ high stability

This
That
5. Captain/ a lot/ work/ responsibilities

This
That
(4.2) Give short answers.

## Example:

Have you (got) problems with cargo?

1. Has the vessel (got) problems with machinery?
2. Has the Captain got problems with navigation?
3. Had cargo ships an escort during the war?
4. Had the cruiser (got) a heavy list to port side?
5. Had you (got) any life rafts on board?

Yes, J have.
No, $\qquad$
No, $\qquad$
Yes, $\qquad$
Yes, $\qquad$
No, $\qquad$
(4.3) Match the questions with the answers:

1. What depth have you got in your position?
A. Ten Philippine sailors.
2. $\qquad$
3. What kind of spillage have they got?
B. They had just one.
4. $\qquad$
5. How many life-boats had they got?
C. The port side.
6. 
7. 

D. The Bosun.
4. How many deck-hands has the vessel got?
E. Oil.
5. $\qquad$
5. Who has got a health problem on board?
F. Ten fathoms.
6. $\qquad$
(4.4) Write questions

## a. In the Present (have got, has got)

## Example:

The "Ioanna"/Purser/ on board
tlas the "Joanna" got a purser on board?

1. the Leto/pilot/ on board
2. the pilot-ladder / loose steps
$\qquad$

## b. In the Past (had)

3. they/a heaving line/ready on starboard side
4. on the Vivianna/ an engine problem
c. Meaning "arrive"
5. fire patrol / to the superstructure
6. fire patrol / to the engine room



## Exercises.

(5.1) Put in: is, are, was, were, have (got), has (got), had (got).

1. Where $\qquad$ Pearl Harbour? It $\qquad$ in Hawaii.
2. Yesterday it $\qquad$ a holiday and the harbour $\qquad$ very busy. A lot of passenger liners $\qquad$ extra trips to the islands.
3. The tug $\qquad$ in the fairway.
4. Lathe tools $\qquad$ two clearance angles.
5. The milling machine we saw $\qquad$ good.
6. The rocker box $\qquad$ above the cylinder head.
7. They $\qquad$ not leaf springs, they $\qquad$ strips, they $\qquad$ spiral coils.
(5.2) Write sentences in the simple past as in the example.

## Example:

aeroplane/ helicopter/ rotor on top/rotor on the tail That wasn't an aeroplane. It was a helicopter. It had got a rotor on top and a rotor on the tail.

1. cargo-ship/ passenger liner/ rows of cabins/ three decks
$\qquad$
$\qquad$
2. diesel engine/ petrol engine/ spark plugs/ carburettor.
$\qquad$
$\qquad$
3. private jet/ military aircraft/ four missiles/ two machine guns.
$\qquad$
4. supertanker/ container ship/ a length of 80 metres/ 6 tiers.

## (5.3) Write sentences in the present.

## Example:

bevel gear /helical gear/teeth that form helices.

## It isn't a bevel gear. It is a helical gear. <br> It has got teeth that form helices.

1. Worm gears/spur gears/teeth straight parallel to axis.
$\qquad$
$\qquad$
2. pinion/bevel gear/stunted teeth in relation to the plane of the wheel.
$\qquad$
$\qquad$
3. Crane/derrick/a large hook turning round to load some heavy cases on to the deck.
$\qquad$
$\qquad$
4. General cargo carrier/container ship/ten containers on board.
$\qquad$
$\qquad$
5. Rescue party/fire party/fire fighting equipment with them.
$\qquad$
$\qquad$
6. Two-stroke engine/four stroke engine/four cylinders and four pistons.
$\qquad$
$\qquad$
7. Battleship/aircraft carrier/20 fighter aircraft on board.
$\qquad$
$\qquad$
(5.4) Complete the following: use there is(there isn't), there are (there aren't), there was(there wasn't), there were (there weren't).

## Examples:

Js there a doctor on board? Yes, there is.
There is onlysome wire, a plug and a socket. What can you do with them?

1. I checked in the store-room, but $\qquad$ any screws. $\qquad$ only nails.
2. "Look into the top drawer. I think $\qquad$ a nut in there." "I’m sorry, $\qquad$ any nuts here.
3. The shop is full of appliances. $\qquad$ all sorts of refrigerators, cookers, washing machines, etc.
4. I'm at the top of the hill looking at the harbour. $\qquad$ five cargo-ships but $\qquad$ a passenger liner.
5. I looked in the box but $\qquad$ only a bolt. $\qquad$ a nut.



Tenses: Present Continuous/Present (present actions, descriptions)

## ENE



## 2. K入ı́бๆ.

Positive
Negative

| I | 'm (am) |  | I | 'm not (am not) | sailing. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| he <br> she <br> it | 's (is) |  | he <br> she <br> it | 's not (is not) |  |
| we <br> you <br> they | 're (are) |  | we <br> you <br> they | 're not (are not) |  |

Question Short answer

| am | I | sailing? | $\begin{aligned} & \text { Yes, } \\ & \text { No, } \end{aligned}$ | I | am. m not. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| is | he <br> she it |  | Yes, <br> No, | he <br> she it | is. <br> isn't. |
| are | we <br> you <br> they |  | Yes, <br> No, | we <br> you <br> they | are. <br> aren't. |

## 3. О@Өоб@ачí $\tau \eta \varsigma$ นєтохๆ́s (Spelling of Present participle):

- Гı $\alpha$ v $\alpha$ бұ $\mu \alpha \tau i ́ \sigma \varepsilon \tau \varepsilon ~ \tau \eta ~ \mu \varepsilon \tau о \chi \eta ́ ~ \varepsilon v \varepsilon \sigma \tau \omega ́ \tau \alpha: ~$
- П@обӨє́бтє -ing $\sigma \varepsilon$ ó $\lambda \alpha \tau \alpha$ @ $\eta \mu \alpha \tau \alpha>$ stand-ing, motor-ing, load-ing,


- A $\lambda \lambda \alpha ́:$ sail-ing, feel-ing,


## 4. Хеฑ́бๆ.

| - Гıа л@á $\xi \varepsilon ı \varsigma ~ \pi о v ~ \gamma i ́ v o v \tau \alpha ı ~ \tau \eta ~ \sigma \tau ı \gamma \mu \eta ́ ~ \pi о v ~$ <br>  <br>  бпиабías. | They are sailing the Corinth Canal now. <br> The Third Mate is demonstrating the use of fire extinguishers at the moment. |
| :---: | :---: |
|  น $\alpha \tau \alpha \sigma \tau \alpha ́ \sigma \varepsilon เ \varsigma ~ ŋ ́ ~ \tau \alpha ́ \sigma \varepsilon ı \zeta . ~$ | I am not teaching this year. I've got a sabbatical. <br> Island cruises are selling well this month. Which hotel are you staying at? |
| - Гı л $\varepsilon \varrho \prec ү \alpha \varphi \varepsilon ́ \varsigma ~ \pi \varrho \alpha ́ \xi \varepsilon \omega v ~ \varkappa \alpha \iota ~ \varkappa \alpha \tau \alpha \sigma \tau \alpha ́ \sigma \varepsilon \omega v . ~$ | "What are you doing there?" <br> "I'm looking at that beautiful yacht. The people on board are having a party. One of the girls.. |

## 5. इт $\tau \tau \iota \alpha \alpha ́ ~ \varrho \eta ́ \mu \alpha \tau \alpha$.






| 1. Mental Пขєขนатเฉа́ | know <br> understand <br> believe | forget <br> feel <br> think(*) | imagine remember want | mean <br> need |
| :---: | :---: | :---: | :---: | :---: |
| 2. Emotional <br>  | like love | hate | fear | care <br> mind |
| 3. Sense(*) AıбӨŋ́бб $\omega v$ | hear <br> feel | smell taste | see | look |
| 4. Possession Кти́бє $\omega \varsigma$ | belong contain | have(*) | own owe | possess |
| 5. Other A $\lambda \lambda \alpha$ | appear(*) <br> seem | cost weigh(*) | $\begin{aligned} & \text { be (*) } \\ & \text { exist } \end{aligned}$ | consist of include |

They have sold the ship. Now it belongs to Omega Shipping.
The control unit includes a memory now.
Explain again! The bosun doesn't seem to understand.
Oh no! I think he understands perfectly.
 $\alpha \lambda \lambda \alpha ́ \mu \varepsilon \delta \iota \alpha \varphi o \varrho \alpha ́ ~ \sigma \tau \eta ~ \sigma \eta \mu \alpha \sigma i ́ \alpha . ~$

It's very dark now. I see nothing. (= can't see anything).
Mary telephoned half an hour ago. I'm seeing her tonight. (= I shall meet her)

## Notes:

$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 6) Present Continuous

Exercises.
(6.1) Put the following in the present continuous. Add an appropriate subject.

## Example:

Heave in [the] back spring.*
J' $m$ heaving in [the] back spring.

1. Stand by [the] engine.
...............................................................................................
2. Jump into water and enter [the] lifeboat.
$\qquad$
3. Stand clear of [the] vessel and report.
$\qquad$
4. Connect [the] lifeboats with lines and report.
5. Inform [the] coast radio station.
$\qquad$
6. Report [the] total number of persons rescued.
$\qquad$




## (6.2) Describe what is happening now. Put the verbs in the correct form: Remember some verbs are not used in the Present Continuous!

It (be) $\qquad$ afternoon. The weather (be) $\qquad$ fine. We (see) $\qquad$
the fishermen returning in their boats. They (look) $\qquad$ tired. Their children and their wives (wait) $\qquad$ for them on the jetty. The fishing boats (sail) $\qquad$ into port one after the other. It (be) $\qquad$ pleasant to see them crossing the blue waves. Some of them (be)
$\qquad$ in full sail. One fisherman (wave) $\qquad$ to his family.*

* This text was adapted from "MAӨНМАТА АГГАIKH $\Sigma$ " by $\Delta$. Пот $\mu \mu \alpha ́ v o s ~$
(6.3) Respond to the following by using the Present Continuous beginning with I or We:


## Example:

Hold on the stern line.
J' $m$ holding on the stern line.

1. Fore station, heave in tight.

Fore station:
2. Aft station, move ahead a little.

Aft station:
3. Lower two head lines to the life boat.
4. Aft station, make tugs fast.

Aft station:
5. See to it that young Thomson prepares the gangway.
6. Avoid this area [There is] -no possibility for [the] vessels to turn.
7. Recover your fishing gear, at once.
8. Approach prohibited fishing area.
$\qquad$
(6.4) Find the meaning of the verbs in the Glossary and then put them in the appropriate blanks in the Present Continuous.

```
correct, alter, call, stand by
```

Examples:
Engines $\qquad$ at U.T.C......
Engines are standing by at UTC......

1. OK. I $\qquad$ course now. $\qquad$
2. [The] Master ................ [the] Chief Engineer to check the problem $\qquad$
3. Look! They $\qquad$ [the] list $\qquad$ transfer, stop, stand by, operate
4. The Helmsman and the lookout $\qquad$
5. We $\qquad$ Fuel from No 1 to No 3 tank now.
6. Not now! The generator $\qquad$ additional pumps.
7. I $\qquad$ No. 4 Tank.


## ЕІІАГএГН

## BOH@HTIKO PHMA -do




Present: I, you, we, they do/ he, she it, does
I, you, we, they do not (don't)/ he, she, it, does not (doesn't)
Do I, you, we, they? Does he, she, it?

## AIMOE ENEETRTAE

## 1. Kגívŋ.

TENSES

## 






## 3. Хஉๆ́бๆ.

| - Гіа $\mu \alpha \chi$ ох@óvıгร жат $\alpha \sigma \tau \alpha ́ \sigma \varepsilon ı \varsigma: ~$ | I am a seaman. I work on the "PETROS I". Where does he work? |
| :---: | :---: |
| - Гıа бuvŋ́ $\theta \varepsilon เ \varepsilon \varsigma ~ \chi \alpha \iota ~ \sigma u v \eta ́ \theta \varepsilon ı \varsigma ~$ ঠıабıжабíя: | The Chief Engineer always spends his summers on Ios. <br> She sails to Astypalea every Saturday. <br> How often do they inspect the ship? <br> The derrick loads heavy cases from lorries on to the deck. |
| - Гı $\alpha$ бvv $\alpha \iota \sigma \theta \not ́ \mu \alpha \tau \alpha ~ \varkappa \alpha ı ~$ $\gamma \nu \omega ́ \mu \varepsilon$ : | The Captain loves this ship very much. <br> The Engineer doesn't see eye to eye with the Captain in this. |
|  | The voyage takes two weeks and costs $\$ 200$. <br> Water boils at 100 degrees C. The sun rises in the east. |
| - $\Sigma \varepsilon$ question $x \alpha \iota$ short answers: | Does the Captain have control of the ship? No, he doesn't. Do they have foreign officers on board? Yes, they do. |

## Notes

## PRACTICE (Unit 7)

## Exercises.

## (7.1) Use Present Tense to describe how things work (systems and processes)

1. An electric drill (have) $\qquad$ a power cord, a switch, a motor, a gearbox and a chuck. The power cord (supply) $\qquad$ electricity to the switch. The switch (connect) $\qquad$ the electricity to the motor. The motor (drive) $\qquad$ the gearbox. The gearbox (drive) $\qquad$ the chuck. The chuck (hold) $\qquad$ the bit.
2. When a vessel (not get) $\qquad$ under way under her own engine power, a tug boat (take)
$\qquad$ her in tow.

## (7.2) Put the verbs in the correct form of the Simple Present:

1. It $\qquad$ (take) the Flying Dolphin one and a half hours to get to Tinos.
2. Fast liners $\qquad$ (sail) at 20 knots an hour, but hydrofoils $\qquad$ (be) much faster.
3. What time $\qquad$ (Ferry, call) at port? I $\qquad$ (think) she (put in) $\qquad$ at six
4. Ask the Mate! He $\qquad$ (speak) three languages.
5. Tugboats $\qquad$ (tow) ships that $\qquad$ (have) an engine problem.
(7.3) Ask what these professionals do (For no. 7 give question and answer):
6. (arbitrator) What does an arbitrator do?

He makes a decision between two parties that do not agree.
2. (deck-hands) $\qquad$ $?$
They do all the odd jobs on board a ship (e.g. scrub the decks, operate the windlass, etc.)
3. (Purser) $\qquad$ ?
He keeps the accounts, pays wages, is responsible for stores etc.
4. (Boatswain) $\qquad$ ?
He is in charge of the crew, boats, rigging etc.
5. (Chief Steward) $\qquad$ ?
He is in charge of the galley and the stewards.
6. (Coxswain)

He is the person who steers a small boat.
7. (cadets) $\qquad$
(7.4) Make sure you know what these verbs mean and then complete these sentences. All of them are negative. Use don't/doesn't. Use one of the verbs in the lists below.

## Example:

This is a sailing ship. It doesn't have an engine.

## have carry want use

1. Have a sandwich. No, thanks. I _don't want to eat right now.
2. This is a container ship. She $\qquad$ oil or wheat.
3. You've got the wrong batteries. These calculators $\qquad$ large batteries.

## have drive cut

4. This saw $\qquad$ metal. You need a hacksaw to do that.
5. These screwdrivers are too small. We $\qquad$ big screws with them.
6. Do you have a doctor on board? No, I $\qquad$ a doctor on board.



## АППOE AOPILTOE

ГIA ПЕРАะMENA ГЕГONOTA

## ЕІІАГ $\Omega$ ГН

## BOH@HTIKO PHMA do




Past: I, you, he, she, it, we, they did
I, you, he, she, it, we, they did not (didn't)
Did II, you, he, she, it, we, they?

## 1. K入ívๆ.

Positive Negative


Interrogative
Short answer

| Did | I <br> he <br> she <br> it <br> we <br> you <br> they | sail <br> ring | yesterday? | Yes, <br> No, | I <br> he <br> she <br> it <br> we <br> you <br> they | did didn't |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |



## 2. $\Sigma \chi \eta \mu \alpha \tau \iota \sigma \mu о ́ \varsigma ~ \alpha о \varrho i ́ \sigma \tau о v ~ о \mu а \lambda \omega ́ v ~ \varrho \eta \mu \alpha ́ \tau \omega v-о \varrho Ө о \gamma \varrho \alpha р i ́ \alpha . ~$

| $\bullet$ Type 1 | start start-ed <br> fix fix-ed | play play-ed <br> screw screw-ed | sail sail-ed <br> buzz buzz-ed |
| :--- | :--- | :--- | :--- |
| - Type 2 | secure secure-d | change change-d | lie lie-d |
| - Type 3 | tap tap-ped | omit omit-ted | travel travel-led* |
| - Type 4 | tidy tid-ie-d | ply pl-ie-d | pry pr-ie-d |

## 3. П@очо@и́ тоv тєдıжоv́ -d.

عíte /-t/ e.g. stopped, switched, checked, etc.
عíte /-d/ e.g. altered, showed, explained, etc.
$\alpha \lambda \lambda \alpha ́ \alpha v$ то @ŋ́น $\alpha \lambda \eta \eta^{\prime} \varepsilon \iota \sigma \varepsilon$-t or -d л@очع́@очนє /-id/ e.g. count-ed, fit-ted, end-ed.

## 4. Avต $\mu \alpha \lambda \alpha$ Р $\eta \boldsymbol{\mu} \alpha \tau \alpha^{*}$.

| be - was | have - had | ring - rang | spread - spread take |
| :--- | :--- | :--- | :--- |
| come - came | hold - held | send - sent | - took |
| get - got | leave - left | set - set | teach - taught |
| go - went | put - put | spend - spent | wake - woke |



## 5. Х@ŋ́テŋ.

| - Мع $\alpha \pi \lambda o ́ ~ \alpha o ́ \varrho ı \sigma \tau о ~ \alpha v \alpha \varphi \varepsilon @ о ́ \mu \alpha \sigma \tau \varepsilon ~$ <br>  <br>  <br>  <br>  yesterday, last week, two days ago, etc. | I worked on the M/V KIRKI for two years The Chinese ship didn't receive the message. The NAIAS sailed to Hydra every day. <br> Did they send the signal on time? <br> They launched the new tanker last week. <br> The vessel left the dry dock two days ago. |
| :---: | :---: |
| - Eлíoŋs ঠıท ${ }^{\text {- }}$ | Jim went on board the beautiful clipper. He knew......... |
| ${ }^{-} \Sigma \varepsilon$ questions $\chi \alpha$ short answers: | Did the vessel have a heavy list? Yes, she did. <br> Did the passengers have a good time? No, they didn't. |

## Notes:

$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 8)

## Exercises.

## (8.1) Put the sentences in the past tense. Use the subject suggested:

## Example:

The visibility is very good this morning.
The visibility was very good this morning.

1. All hands, assemble for the call at 16.00 .

All hands $\qquad$
2. I confirm [that] 10 crew members are here.

I $\qquad$
3. Boatswain, check the life jacket fittings before the drill.

The Boatswain $\qquad$
4. The Captain sometimes finds problems on his inspection round.

Sometimes the Captain $\qquad$
5. This company has three tankers and a general cargo carrier.

This company $\qquad$
when they started business.
6. George, put in the stopper pin.

George $\qquad$
(8.2) Put the following in the Past. Begin as prompted:

Wait for the signal. The sailor waited for the signal.

1. Dismiss the anchor party.

The Chief Mate
2. Switch on the navigation lights.

The Second Mate $\qquad$
3. Hold on the chain with 4 shackles in the water.

The AB
4. Switch on the auxiliary generator at once!

The Electrician $\qquad$
5. Switch off the engines immediately!

The Engineer $\qquad$
(8.3) Use the simple past tense to complete the following story:

The Canadian port (be) $\qquad$ known for its difficulties so they (call) $\qquad$ for a pilot. As soon as the pilot (come) $\qquad$ on board the men (take) $\qquad$ in the gangway. The pilot, the Master and the Helmsman (be) $\qquad$ on the bridge. The pilot (give) $\qquad$ the command to the engine-room telegraph, 'Engines stand by'. The men (stand) $\qquad$ by fore and aft. They (let) $\qquad$ go the breast ropes first, the stern rope and aft spring next, and then gradually the head ropes and forward spring. When the above operations (be) $\qquad$ over, and
the vessel well into the navigable channel, the pilot (order)
$\qquad$ (manoeuvre) the ship past the breakwater, then he (board) boat that (take) $\qquad$ him back to port. *

* This text was adapted from "МАЄНМАТА АГГムIKHइ" by Д. Потацьávo૬.
(8.4) Vagelis has just come back from the sea. Ask him about his voyage.
Example:
(when/return/you) When did you return?

1. (which/vessel/you/be on)
........................................................................................................... ..... ?
2. (how big/be/the ship)
........................................................................................................ ..... ?
3. (what/be/your rank) ..... ?
4. (work/you/on deck or engine department)5. (what kind of vessel/you/serve/on)
5. (how long/stay/you/on board)7. (enjoy/you/the work)
....................................................................................................?
6. (make/a lot of money)
 ..... ?
7. (visit/many countries) ..... ?
(8.5) There were some more questions for Vagelis:
8. (find/you/the work/hard)2. (What/be/the food like)
........................................................................................................ ?
9. (Which/port/like/you/best)
.........................................................................................................?
10. (make/good friends/on board)
.........................................................................................................?
11. (Do/you/a lot of shopping) ..... ?
12. (How many/voyages/you/make)
(How many/voyages/you/make) ..... ?
13. (What/buy/you/for your girlfriend) ..... ? , 'Full speed astern'. He
$\qquad$ the pilot
(8.6) Find the meaning of these verbs and then complete the sentences. They are negative/interrogative. Use didn't, did (+subject) and one of the verbs in brackets:
come, send, send, spread
14. Fortunately the fire $\qquad$ to the combustible cargoes.
15. We signalled but they $\qquad$ the rescue party at once.
16. They $\qquad$ too late but they $\qquad$ enough fire- extinguishers with them.

## advance, apply, explain, have, take

4. The vessel had all fire fighting equipment on board but the crew $\qquad$ to us how to use it.
5. $\qquad$ the firemen $\qquad$ to the immediate fire? Yes, they did, but they $\qquad$ the right agent.
6. $\qquad$ you $\qquad$ the breathing apparatus ? No, I'm afraid I didn't.
(8.7) Ask and answer questions as in the example.
e.g. you fill/double bottom tank No 3/Yes.

Did you fill double bottom tank No. 3? Yes, I did.
I filled double bottom tank No. 3

1. They discharge/tank No. 4/No.
$\qquad$
$\qquad$
2. You/call/watch engineer/Yes.
$\qquad$
3. $\mathrm{He} /$ correct/list/Yes.
$\qquad$
4. The Engineer of the watch/reduce/speed/Yes.
$\qquad$
$\qquad$
5. Chief Engineer/sign/log books/Yes.
$\qquad$
$\qquad$
6. Revolutions of main engine/be/below $\qquad$ per minute/No.
$\qquad$
7. There/be/breakdown of main engine/No.
$\qquad$
$\qquad$


## 

## 1．Kataбжعטท́．



## 2．K入íon．



## 3．Хеฑ́бๆ．


 દ́үルย 火 $\alpha \iota ~ \tau \varepsilon \lambda \varepsilon i ́ \omega \sigma \varepsilon$.







 $\varepsilon v \omega$ тo when aлó тov Aл $\lambda$ ó Aógıбто．

Scientists discovered that oil spills were destroying marine life

On September 1995 I was working on the $S / S$ ＂BIRGIT＂．

We were sailing to New York，but we were ordered to set course for Curacao．

While we were sailing to New York they were sailing to Calcutta．
They were sailing to Calcutta when the attack began．

TENSES

## Practice Unit (9): Past Continuous.

es Exercises.
(9.1) You are the Third Engineer on the M/V EFFI . Answer the questions in the past continuous. Use the prompts: the first one has been done for you.

What were you doing ....

1. at 9 o'clock yesterday evening? (watch T.V./in my cabin).

I was watching IV in my cabin.
2. at 10 o'clock in the morning? (do my watch/in the engine room)
3. half an hour ago? (service/distributor/workshop)
4. at 7.30 last Sunday? (write/letters home/cabin)
5. at 4 o'clock in the afternoon? (make/list/spare parts we need)
(9.2) Say what was happening on board at the time the fire alarm rang. Use the words in brackets and add anything necessary to make the sentences:

Example: (Steward/lay/the dinner table/officers' room)
The steward was laying the table in the officers' dinning room.

1. (Lookouts/stand by/for [the] signals from the Coordinator)
2. (Mate/carry out/radar search)
3. (The Chief Engineer/check/suction pump)
4. (Watch Engineer/take/readings from the instruments)
$\qquad$
$\qquad$
5. (Third Engineer/work/on the lathe)
$\qquad$
(9.3) Make two sentences in Past Simple or Past Continuous as in the example. Add anything necessary.

## Example:

(electrician/test/alarm circuits/ when/the fire/breakout)
The electrician was testing the alarm circuits when the fire broke out.

1. vessel/sail/along the Suez Canal/when/the message/ arrive
2. Canal/close/when/war/break out.
$\qquad$
3. repair team/overhaul/the auxiliary engine/ when/the signal to sail at once/arrive.
$\qquad$
4. The seaman/enter/an unmanned machinery space/ when/automated machinery/start.
$\qquad$
$\qquad$
5. As the ship/sink/so/the seamen/launch/the lifeboats
$\qquad$
6. The Radio Officer/listen/to the weather forecast/when/the SOS/come through
$\qquad$
$\qquad$
(9.4) Put in the Simple Past or the Past Continuous:
7. My ship (list) $\qquad$ but it (stop) $\qquad$ after jettisoning.
8. When we (sight) $\qquad$ the distressed vessel, she (transfer) cargo in order to stop listing.
9. Our vessel (drift, already) $\qquad$ at 5 knots, when assistance (arrive)
10. When after grounding, the master (realise) $\qquad$ that the ship (sink) $\qquad$ ,
$\qquad$ he (order) $\qquad$ his crew to abandon ship.
11. While the passengers (abandon) $\qquad$ the ship the crew (help) $\qquad$
$\qquad$ them.
12. The crew (lower) $\qquad$ the lifeboat when the cable (give way) $\qquad$ .
13. While the vessel (sail) $\qquad$ through the night, the crew (sleep) $\qquad$ .
14. The vessel (get) _close to position ... when she (encounter) $\qquad$ barrels with dangerous substance adrift.
15. I (try) $\qquad$ to proceed to port without assistance, when a tugboat (appear) $\qquad$ closing in fast.
16. When we (arrive) $\qquad$ in position ... the tanker (spill) $\qquad$ crude oil.

## (9.5) After finding the meaning of the verbs in parenthesis, put the pairs of verbs in the blanks in the correct form:

## Example:

I sailed into the bay with caution because small fishing boats were cruising in the area around ... (sail/cruise)

1. While the pilot boat $\qquad$ we $\qquad$ it on port side.(approach/keep)
2. We $\qquad$ until they $\qquad$ transfer of the pilot. (stand by/complete)
3. "What $\qquad$ when I called?" "I $\qquad$ the pilot ladder."(do/rig)
4. As the pilot $\qquad$ vessel, we $\qquad$ not alter our course. (clear/can)
5. They $\qquad$ icebreaker assistance while the blizzard $\qquad$ . (suspend/go on)
6. We $\qquad$ as the distance between the vessels $\qquad$ . (watch/increase)
7. The other vessels $\qquad$ clear of me, because I $\qquad$ with difficulty. (keep/manoeuvre)
8. I $\qquad$ back to port because I $\qquad$ stability problems due to heavy icing. (sail/have)
9. As I $\qquad$ variable visibility, I $\qquad$ the ship's lights and posted a lookout.(expect/turn on) (2)

A. AIIIOE MEAAONTAE ME Shall/Will ('ill).

## 1. Kатабжєขŋ́.


2. K入íoŋ.



I / we shall ('ll ) sail,
shall I / we sail ?
I / we shall not (shan't) sail.

Question
Short answer

|  | I <br> he <br> Whe |  | Yes, | I <br> he <br> it <br> we <br> you <br> they | sail? |
| :--- | :--- | :--- | :--- | :--- | :--- |
| it | nill |  |  |  |  |
| we | won't |  |  |  |  |
| you |  |  |  |  |  |
| they |  |  |  |  |  |$\quad$|  |
| :--- |

## 4．Хеๆ́бๆ．

|  <br>  люоß入є́ $\frac{1}{}$ | The new Training Ship will cost $\$ 10$ million． She won＇t be ready until the end of next year． How many cadets will practice on board ？ |
| :---: | :---: |
|  <br>  <br>  | I will never work on a tanker again． Wait here ！I＇ll be back in a minute． I like the boat．I＇ll give you 10 million for it． |
| N．B．＇O $\alpha \alpha v \mu \pi \varrho о \sigma \tau \alpha ́ ~ \sigma \tau о ~ S h a l l / W i l l ~ v л \alpha ́ \varrho \chi \varepsilon ı ~$ <br>  whether， $\boldsymbol{\kappa \lambda \pi . ) ~ \alpha \varphi \alpha ı \varrho о и ́ \mu \varepsilon ~ т o ~ S h a l l / W i l l . ~}$ | I will tell her when I see her． <br> If I see her，I will tell her． |

B．MEAIONTAE ME ：Going to
1．Kataбধยuŋ́．

$$
\text { Pи́ } \mu \alpha \text { be + Going to }+\alpha \pi \alpha \varrho \varepsilon ́ \mu \varphi \alpha \tau о ~
$$

## 2．K入íøๆ．

| Positive |  | Negative |  |  | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| I | am（＇m） |  |  | am not（＇m not） |  |
| he <br> she it | $\text { is }(' s)$ | going to sail． | He <br> she it | is not（isn＇t） | going to sail． |
| we you they | are（＇re） |  | we <br> you <br> they | are not（aren＇t） |  |
| Question |  |  | Short Ans |  |  |
| Are you going to sail ？ |  |  | Yes，I am． <br> No，I＇m not． |  |  |

## 3．Х＠ŋ́øๆ．


 бұモ́סıа．

The Shipping Co．«Krystal Marine» is going to buy a new tanker soon．
They are not going to give us any more credit． The Company is going to order three more super－ tankers．

- Гıа л@áछॄєь лоv $\mu \pi о \varrho \varepsilon i ́ ~ \varkappa \alpha v \varepsilon i ́ s ~ v \alpha ~ л \varrho о \beta \lambda \varepsilon ́ \psi \varepsilon ı ~$ цє $\beta \varepsilon \beta \alpha \iota o ́ t \eta \tau \alpha ~ \varepsilon л \varepsilon \iota \delta ŋ ́ ~ ข л \alpha ́ \varrho \chi о ч v ~ \sigma \alpha \varphi \varepsilon i ́ s ~$ عvঠعiگદıร.

The sea is too rough. I'm sure the Coastguard is not going to allow any ships to sail.
Stay clear! That ship is going to sail past us.


|  Simple Present $\varepsilon \iota \delta \iota x \alpha ́ \gamma เ \alpha ~ \delta \varrho \alpha \sigma т \eta \varrho เ о ́ т \eta \tau \varepsilon \varsigma ~$ <br>  го $\mu \mu \alpha$. | The $s / s$ "KENDAVROS" sails to Venice at 07.00 on Friday morning. <br> The Cadet says(that) classes begin next Monday. <br> The vessel from Brindisi arrives here at 20.00 this evening. <br> Hurry up, please! My plane flies in 15 minutes. |
| :---: | :---: |
| - Мло@ои́иє va єхү@óбочиє Мє́入入оvта $\mu \varepsilon$ Present Continuous $\varepsilon$ ع $\delta \iota x \alpha ́ \quad \gamma 1 \alpha$ $\delta \varrho \alpha-$ <br>  <br>  <br>  <br>  | The Cadet is taking five courses this coming semester. <br> What are you doing tonight ? I have a ticket for the theatre. I'm going with Maria. <br> The Cadet has an appointment. He's seeing Master Triandis tomorrow at 10.00 . <br> No, he is not coming to the party. I'm afraid he's working tonight. |

## Notes:

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$\qquad$
$\qquad$

## PRACTICE (Unit 10).

## Exercises.

## (10.1) Put the verbs in parentheses in the Future Tense. Use will to express future plans!

The cargo-vessel "ELENI" under the command of Captain A. Zeppos (enter) $\qquad$ dry-dock tomorrow for a general survey and she (be) $\qquad$ ready in two weeks. Then she (call)
$\qquad$ at Candia to load some cargo and to take on some passengers. Her next port of call (be)
$\qquad$ to Piraeus by way of the Corinth Canal. In Piraeus Captain Zeppos (get) $\qquad$ in touch with the ship-owners to arrange the ship's future sailing programme. *

* This text was adapted from "МАЄНМАТА АГГムIKНГ" by Д. Потацıávos.
(10.2) Use WILL to express future facts, predictions, decisions, offers, promises, threats!

1. This is the M/V "STAVROULA". I (act) $\qquad$ as a Co-ordinator Surface Search. I (show)
$\qquad$ [the] following lights.
2. When (arrive, you) $\qquad$ at distress position?
3. OK. I (send) $\qquad$ boat to pick up doctor.
4. Don't worry! Boat (arrive) $\qquad$ at UTC . $\qquad$
5. How many lifeboats (launch, you) $\qquad$ ?
6. (Abandon, you) $\qquad$ vessel? I (abandon, not) $\qquad$ vessel.
7. "Don't move or I (shoot) $\qquad$ " threatened the pirate.
8. If you don't change course fast, the vessel (be, soon) $\qquad$ in trouble.
9. Don't call the police. They $\qquad$ kill you.
(10.3) Put the verbs in the GOING TO Future to express prior plan:
10. Why did you change course? Because I (sail) $\qquad$ via the Poros Channel.
11. I talked to the Captain yesterday. He is tired of the new Mate. He (fire) $\qquad$ him at the next port.
12. Look at those clouds! There (be) $\qquad$ a storm soon. Hurry up! Tell everybody on board to prepare for it.
13. When (you, have) $\qquad$ a holiday? I'm afraid I (have, not) $\qquad$ a holiday this year. They (cancel) $\qquad$ all leave because of the war in the Gulf.
14. Are you free this afternoon? No, I (meet) $\qquad$ the ship owners. We (arrange) $\qquad$
$\qquad$ the vessel's future sails.
(10.4) Put the verbs in the future. Use WILL or GOING TO. Remember sometimes you must remove will.
15. As the ship (be) $\qquad$ here for at least two more days before it (sail) $\qquad$ for Alexandria, I (visit) $\qquad$ the Acropolis.
16. What have you come on the bridge for? I $\qquad$ (steer) the ship. Oh, really? Then I (stay)
$\qquad$ and (keep) $\qquad$ you company.
17. Are there enough life-saving appliances for everyone on board? No, but we (get) $\qquad$ some more when we (arrive) $\qquad$ at the next port of call. Very well, I (tell) $\qquad$ the crew not to worry then.
18. There are enough provisions and drinking water for 48 hours. Good, I think that 48 hours (be)
$\qquad$ enough for the crew to devise a means of escaping or get help.
(10.5) Put the verbs in the Simple Present or the Present Continuous to express future time events, plans, or intentions.
19. What (do) $\qquad$ after the muster (be) $\qquad$ over? I (go)
$\qquad$ to bed, I'm exhausted.
20. $\qquad$ (be) there a fire drill tomorrow? Yes, it (start) $\qquad$ at 6.00 and (finish) $\qquad$ at about 7.00.
21. There' s a music bar on board the ship, it (open) $\qquad$ early in the evening and (close)
$\qquad$ after midnight, I (go) $\qquad$ tonight. Would you like to meet me there?
22. I've been offered the position of chief officer on the "CHRYSSOULA" as from next month. Well, have you decided what to do? Yes, I (not, take) $\qquad$ it. The ship is fine but the captain and the crew have a terrible reputation.
23. Well, have you made all the arrangements? Yes, I've got my discharge book and I (leave)
$\qquad$ the day after tomorrow. The plane (take off) $\qquad$ at 4.00 in the morning. And what time (arrive) $\qquad$ in Hong Kong? At 3.00 p.m.!



## Present Perfect Simple (unfinished

 past + for/since), already, never, ever.
## АПИOГ ПAPAKEIMENOะ.

## 1. Kataбхعvŋ́.



## 2. K入ívŋ.

Positive
Negative

| I | have ('ve) | sailed | I | have not (haven't) | sailed. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| he she it | has ( 's) |  | He she it | has not (hasn't) |  |
| we <br> you <br> they | have ('ve) |  | we <br> you <br> they | have not (haven't) |  |

Question Short answer

| Have | I |  | Yes, <br> No, | I | have. <br> haven't |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Has | he <br> she <br> it | sailed. | Yes, <br> No, | he <br> she <br> it | has <br> hasn't |
| Have | we <br> you <br> they |  | Yes, <br> no, | we <br> you <br> they | have. <br> haven't |

## 3. Х@ๆ́бๆ.





Sea business has increased significantly.
Have you heard from the T/S Helga this week? We have just reduced freights.
 $\mu \alpha \varsigma ~ \mu \varepsilon ́ \chi \varrho \iota ~ \tau \omega ́ \varrho \alpha . ~$

 since $\alpha{ }^{\circ}$ for.

He is an old salt. He's travelled all over the world.Have you ever worked on a tanker? We don't want him. He's never been on a tugboat before..

The "Lilian" has plied between Patra and Bari for 12 years now. He's been Captain on the "Chryssa" since 1991. How long have you known Captain Lallis?
 ठьó@เбта бто ла@є $\lambda \theta$ óv. Мло@єí va $\alpha v \alpha-$甲દ́@оขтаı หаı лобо́тŋтєऽ.

This shipyard has built a lot of ships for our company. How many ships have you worked on? I haven't been in many rescue operations..

## Have gone to, have been to, have been in

- The First Engineer has been in England for a month. (This means he's still in England.)
- The mate is not here. He's gone to the "Averoff" in the marina. (This means he's either on his way there, or he has already arrived.)
- I don't think he would like to go. He's been to Paris very often. (This means he's not there now).


## Notes:

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$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 11).

## Exercises.

(11.1) Put into Present Perfect and accommodate the adverbs in parentheses. The first one has been done for you.

1. Contact [the] life rafts on radio. (just)

I have just contacted [the] life rafts on the radio.
2. Join the other lifeboats in sight. (just)
3. Give [the] distress signals for identification. (just)
4. Prepare [the] emergency plan for first aid. (already)
5. Stop in [the]present position. (just)
$\qquad$
6. Report your position on [the]telephone. (already)
$\qquad$
7. Connect [the] cargo hoses. (never)
8. Check [the] pilot ladder spreaders at once. (just)
$\qquad$
(11.2) Write questions in the Present Perfect Simple. The first one has been done for you.

1. Throw over board no. 6 lifeboat. (yet)

Have you thrown no. 6 lifeboat over board yet?
2. Check [the] electrical lighting. (yet)
3. Fix [a/the] gas fire extinguishing system. (ever)
$\qquad$
4. Reduce [the] pressure in water pipes. (just)
5. Replace [the] missing spanner. (yet)
6. Free [the] blocked water pipe. (already)
$\qquad$
7. Rig [the] accommodation ladder in combination with (the) pilot ladder.
(11.3) Put the verbs in parentheses in the Present Perfect Simple (affirmative or negative):

1. I (transfer) $\qquad$ [the] cargo to stop listing.
2. [The] listing (stop) $\qquad$ after transferring bunkers.
3. We (beach) $\qquad$ (the) vessel in position ..
4. They (drift) $\qquad$ from position.
5. She (require, not) $\qquad$ assistance yet.
6. The bosun (rig, not) $\qquad$ the pilot ladder yet.
7. Pilot (not, embark) $\qquad$ yet, as Lavrion Pilot Station (suspend) pilotage.
(11.4) Put the verbs in parentheses in the Present Perfect Simple (interrogative)

## Example:

(see, you) Have you seen the Electrician?

1. (jettison, you) $\qquad$ [the] cargo?
2. (you, follow) $\qquad$ pilot boat where pilot will embark?
3. How long (stay, you) $\qquad$ in your present position?
4. (AB, move) $\qquad$ the pilot ladder 3 metres aft?
5. (you, make) $\qquad$ lee on your starboard side?



## Exercises.

## (12.1) Write these sentences in the negative.

Example: He's a sailor.
He isn't a sailor.
The pump has got a problem. $\qquad$

1. The Chief Engineer can repair the damage.
2. The ABs are very tired tonight.
3. This drill holds bits up to 10 mm . $\qquad$
4. Internal callipers measure external dimensions. $\qquad$
5. Hand drills have motors.
(12.2) Make the following sentences interrogative:

Example: He's a sailor.
Is he a sailor?

1. Electric hand drills have motors.
2. A wheel is used for steering a ship.
3. Anchors are used to moor a ship.
4. Deck hands clean the decks every day.
5. The F/B "Jason" sails to Brindisi at 10:00.
6. Very fast ships have got two propellers
(12.3) Put into the interrogative/negative. Use you in the questions where applicable.

Example: I am rowing.

$$
\begin{aligned}
& \text { Are you rowing? } \\
& \text { J'm not rowing }
\end{aligned}
$$

1. I am on fire.
2. I flooded compartments 1,2 , and 3 .
3. I require pumps. $\qquad$
4. He has got a leak.
5. They will send pumps. $\qquad$
6. She is going to beach in position...
(12.4) Spelling: Put the following into:

| 1. Align | a) Present Participle | b) Past Participle | c) 3rd person present |
| :---: | :---: | :---: | :---: |
| 2. Fit |  |  |  |
| 3. Handle |  |  |  |
| 4. Roll |  |  | - |
| 5. Lash |  |  |  |
| 6. Tally |  |  |  |
| 7. Lay |  |  |  |

(12.5) Put the verbs in brackets in the correct tenses:

By now I (have) $\qquad$ a glass of beer at a bar on the sea front. I (have) $\qquad$ a pleasant walk an hour ago. I (meet) $\qquad$ several people I (know) $\qquad$ on the way. One of them (be) $\qquad$ on his way to meet his father, Captain G. Lallis. He (be) $\qquad$ master on a large container ship. He (command) $\qquad$ a crew of 22 men and 10 officers. As I (finish) $\qquad$ my beer I (see) $\qquad$ one of the biggest cruising ships in the world. She (just, enter) $\qquad$ port. I must say, I (have) $\qquad$ a good time today. *

* This text was adapted from "MA@HMATA AГГГ1IKHZ" by Д. Пoгацıávo૬.
(12.6) Put the verbs in the right tenses.

1. We (take) $\qquad$ a tug in about 15 minutes.
2. The tug boat (pass, just) $\qquad$ the breakwater light house and is making for you.
3. A pilot boat (approach) $\qquad$ , sir!
4. When the propeller was clear the mate (report) $\qquad$ to the bridge right away.
5. Wait until we (give) $\qquad$ you the order!..
6. This is aft station. We (clear) $\qquad$ the aft vessel just now.
7. "Stand by for anchoring, forward station!"
"Which anchor (stand by) $\qquad$ ?"
(12.7) Put the verbs in brackets in the correct form:
8. Come on! We (leave) $\qquad$ .
9. When (Kate, lose) $\qquad$ her bag? A week ago.
10. And (she, not, find) $\qquad$ it yet? No, she $\qquad$ .
11. We (usually, go) $\qquad$ to bed early at night.
12. When I (go) $\qquad$ below last night, I (find) $\qquad$ he (sleep)
$\qquad$
(not, listen) .
12.8 Describing process. Put the verbs in parentheses in the right form:



## EI工AГ®ГН.

have, have got ( $\beta \lambda \varepsilon$ дє $\varepsilon$ : unit 4)

We have a new tanker. or We've got a new tanker.
The ship has six holds. or The ship has got six holds.
2. To @ŋ́ $\mu \alpha$ have $火 \lambda i ́ v \varepsilon \tau \alpha \iota ~ \sigma \tau ı \varsigma ~ \varepsilon \varrho \omega \tau \eta ́ \sigma \varepsilon ı \varsigma ~ \mu \alpha \iota ~ \alpha \varrho v \eta ́ \sigma \varepsilon ı \varsigma ~ \mu \varepsilon ~ g e t ~ \eta ́ ~ \mu \varepsilon ~ d o: ~$

Have they got a fire fighting team? or Do they have a fire fighting team?
What propeller have you got? or What propeller do you have?
They haven't got (a) twin propeller. or They don't have a twin propeller.


| I have | a cold, a cough, flu, a sore throat, a temperature, (a) toothache, etc. |
| :--- | :--- |
| I have got/I've got | a headache, a pain in my arm(leg etc), a stomach-ache, etc |

The Boson has a headache. or The Bosun has got a headache.
Does the Captain have a cold? No, he doesn't (have a cold).
O Aó@ıotos عíval: II hadl ( $\chi \omega$ @ís got) / I didn’t have / Did you have?
The Bosun had brown eyes and dark hair.
When I met the Captain at the bar, he didn't have any money.
How many members did the rescue team have?


| have/has/had | something to eat, something to drink, breakfast, dinner, lunch, <br> a meal, a sandwich, a cup of coffee, a glass of wine, some soup |
| :--- | :--- |
| have/has/had | a walk, a swim, a game (of chess, tennis etc), a bath, a shower, <br> a holiday, a party, a rest, a good time, a nice journey, a good sleep, <br> a baby, a dream, an accident, a ride, a lesson, a light, a look, etc. |

Where is the Captain? He's having lunch.(=eat)
The Bosun doesn't usually have breakfast; he only has two cups of coffee.
The passengers had a very good time on the cruise to the Ionian islands.
Did you have a swim in the ship's swimming pool?

## $\Gamma$. I have to

 $\nu \alpha$ то $\nsim \alpha ́ v \omega)$.


| $\mathrm{I} /$ we/you/they have to do/go/work | $\mathrm{I} /$ we/you/they don't have to do/go/work |
| :--- | :--- |
| he/she/ it has to do/go/work | he/she/it has to do/go/work |
| do I/we/you/they have to do/go? <br> does he/she/ it have to do/go/work? | No, I/we/you/they don't. <br> Yes, he/she/ it does. |

- The rescue team leader has to stand by.
- The Bosun starts work at 08.00 . So he has to wake up at 07.00 .

2. O Aópıбтos عíval had to

- The mate had to wait long until the next watch came to relieve him.
- How long did the vessel have to wait until the pilot boarded.
- The Captain didn't have to wait long for the message

- The Bosun has a day off tomorrow. So he doesn't have to wake up early.
- The damage control team didn't have to report until the next day.
- You don't have to start damage control right away.

4. must $x \alpha \mathrm{l}$ have to ( $\beta \lambda \varepsilon ́ \pi \varepsilon \varepsilon \pi$ кíons Unit14)
 ала@ $\alpha i ́ \tau \eta \tau 0 ~ v \alpha$ үíve:

- It's a fantastic vessel. You must see it. OR You have to see it.
- You must go now. It's time for my watch.

- You have to go now. It's time for your watch. (It's the ship's schedule)
- Young men in Greece have to serve in the armed forces. (It's the law)


## Notes:

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$\qquad$

## Practice Unit (13).

Exercises.
(13.1) What are the crew doing? Use the prompts in the appropriate forms:

## Example:

(Captain/ breakfast/ dinning saloon)
The Captain is having breakfast in the dinning saloon.

1. (ship's officers/ meeting/ officers' room)
2. (fire team/drill/ the superstructure)
3. (passenger/ a good time/ Captain's party)
4. (Bosun/ cup of coffee/ his cabin)
5. (Mate/ something to eat/ after his watch)
(13.2) Put in the correct form of have or have got:

## Example:

What's the matter with you? Do you have (OR have you got) a headache? (you/ have?)

1. After visiting the port town: I wanted to buy a suit but $\qquad$ enough money.(I / have)
2. ". $\qquad$ any problems during your watch?" (you/ have?)
No. $\qquad$ a quiet watch. (I/ have)
3. The Bosun is very busy. $\qquad$ much free time. (he /not/have)
4. $\qquad$ a stomach-ache yesterday. (the Mate/ have)
He is better now.
5. $\qquad$ a nice time at the welcome party last night? (the passengers / have?). Yes, $\qquad$
(13.3) Decide what you say in these situations. Use the lists of Unit 13 and have:

## Example:

You meet your friend a the harbour. He travelled on the F/B "King Minos". Ask him about the voyage: Did you have a nice voyage?

1. The passenger is going to the swimming pool of the ship. What do you wish him?
$\qquad$
2. The passenger is coming from the dining saloon. What do you ask her?
$\qquad$
3. You want to light your cigarette. What do you ask the Bosun?
$\qquad$
4. You want to make sure the letter is correct. What do you ask the Mate to do?
$\qquad$
5. The Third Engineer is going below to take over the his watch. What do you say him?
6. You want to play tennis. What do you ask the young lady with the racquet?
$\qquad$
(13.4) Use have to, don't have to, has to, doesn't have to, had to, didn'thave to, and one of the verbs in the list:

## Example:

The work of the damage control team is dangerous. So the members have to wear safety helmets.

1. At the end of their studies cadets $\qquad$ a dissertation.
2. After spending three days in the hold the stowaway $\qquad$ to ask for something to eat.
3. A steward $\qquad$ hard on a cruising ship.
4. G.O.s $\qquad$ the wireless any more. There are satellite communications on board ships now.
5. The Mate $\qquad$ the lighting. The Electrician could do it for him.
6. The port station says the vessel $\qquad$ a pilot. She can proceed without a pilot on board.
(13.5) Choose the correct answer or write both:

## Examples:

Why is the Bosun going ashore now? He must/ has to see somebody. $\qquad$
It's a fantastic vessel. You must/ have to see it.

1. My watch was out of order. So I must/had to borrow the Bosun's.
2. "I really drink too much. I must/ have to stop that."
3. There is something wrong with that ship. We must/ have to help.
4. You can't park here for free. You must/ have to pay.
5. Vessels all over the world must/ have to be inspected regularly.



## EГKAITIKA PHMATA.




## Present.


e.g. I can navigate can you navigate? I cannot navigate OR I can't navigate.

## Past.

could + infinitive ( $\gamma / \alpha$ то $\pi \alpha \varrho \varepsilon \lambda \theta$ óv)
e.g. I could swim could you swim ? I could not swim OR I couldn't swim
 must + infinitive ( $\gamma \iota \alpha$ то ла@óv xa兀 то $\mu$ ย́ $\lambda \lambda \frac{1}{}$ )

would + infinitive
4. $\mathrm{M} \varepsilon$ тo should $\mu \pi о \varrho \varepsilon i ́ s ~ v \alpha ~ \varepsilon \varkappa \varphi \varrho \alpha ́ \sigma \varepsilon ı \varsigma ~ \varepsilon \lambda \alpha \varphi \varrho \alpha ́ ~ v л о \chi \varrho \varepsilon ́ \omega \sigma \eta ~ \eta ́ ~ \sigma v \mu ß о v \lambda \eta ́ . ~$
should + infinitive ( $\gamma \iota \alpha$ to $\pi \alpha \varrho o ́ v ~ x \alpha \iota ~ t o ~ \mu \varepsilon ́ \lambda \lambda o v) ~$

| $\bullet$ ABILITY/POSSIBILITY | • IKANOTHTA/DYNATOTHTA |
| :--- | :--- |
| I can sail a big sailing boat. | Know how to do it. |
| I can change 10,000 Drachmas. |  |
| This ship cannot sail against winds of 9. |  |
| I could row a boat when I was ten. | It's possible for me to do it. <br> It's not possible/It's forbidden. |
| I could travel alone if I wanted. <br> As there was no berth available, they could <br> not dock. | Knew how. <br> It was possible. <br> It was not possible.. |
| • REQUESTS | • AITHMATA |
| Can you pick up survivors? | Ask sb to do sth. |


| Can you change course ? <br> Could I enter the navigation bridge, (please)? <br> Steward, would you please get me a cup of coffee? <br> Would you like some tea? | Is it possible? <br> Polite request. |
| :---: | :---: |
| - PERMISSION <br> Can I sail your boat, please? <br> Can I speak to the helmsman? | - A $\triangle$ EIA <br> Is it okay to do it? |
| - ADVICE/LIGHT OBLIGATION <br> You should obey all instructions on board a ship. <br> You should always help your fellow seamen. | - इҮМВОҮАН/ЕЛАФРА ҮПОХРЕ $\Sigma \mathrm{\Sigma H}$ <br> That is the safe thing to do. <br> You owe it to them, as you all do a difficult, dangerous job. |
| - OBLIGATION ( $\beta \lambda$. єлíonऽ Unit 13) <br> He must have a visa. <br> Engines must be inspected regularly. | - YПOXPE $\Omega$ Н <br> His passport is not enough in China. Otherwise the ship may be in trouble. |
| - PROHIBITION <br> The crew mustn't go ashore without the captain's permission. <br> The helmsman mustn't be tired during his shift. | - АПАГОРЕҮГН <br> It is not allowed. (It's forbidden!) <br> It would be unsafe! |

## Notes:

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$\qquad$
PRACTICE (unit 14) Modals.
Exercises.
(14.1) Ask or answer questions in the positive/ negative/ interrogative (ABILITY):

## Example:

Can you pick up survivors?
Yes, J can pick up survivors.
No, J cannot pick up survivors.

1. Can you alter course to ... degrees?
$\qquad$
2. $\qquad$

No, I cannot carry out a radar search.
3.

Yes, we can resume search in position
4. Could you continue the search after dark?
$\qquad$
5.

Yes, I could make a rendezvous in position ...
6. $\qquad$

No, I could not transfer person to my vessel by boat.
7. Can you proceed without assistance?
$\qquad$
8. Deck hands can clean the decks.
$\qquad$
(14.2) Answer in the negative and the interrogative (PERMISSION, REQUEST):

## Example:

Can I come on board and explain?
Yes, you can come on board and explain.
No, you can't come on board and explain.

1. Can you instruct the Pumpman and report?
$\qquad$
2. Can I stop [the] search and proceed [with] my voyage?
$\qquad$
$\qquad$
3. Can I request [an] escort?
$\qquad$
$\qquad$
4. Could I assist with [the] search in vicinity of my position?
$\qquad$
5. Could I ask what the result of the search was?
$\qquad$
6. Can we deliver [a/the] sick person?
$\qquad$
$\qquad$
(14.3) Write questions and answers using the following prompts (ABILITY):

## Example:

Find the stowaway.
Can you find the stowaway? Ves, I can/No, J can't

1. Stop spillage.
2. Identify polluter.
3. Locate the engine problem.
4. Select correct wire.
5. Inform the lookouts.
(14.4) Make sentences in the affirmative/negative, add anything necessary (ABILITY):

## Example:

boat/float on water/fly.
A boat can float on water but it cannot (can't) fly.

1. Fish/swim/breath air.
$\qquad$
2. The crew/switch on [the] anchor lights/hoist [the] anchor ball.
$\qquad$
$\qquad$
3. $\mathrm{ABs} /$ keep propeller clear/stop propeller.
4. [A] vessel/berth alongside/moor to buoy.
$\qquad$
5. [The] Third Mate/read standing orders/issue standing orders.
$\qquad$
$\qquad$

## (14.5) Use must and because:

## Example:

(visit my company/ find a ship)
I must visit my company because I must find a ship.

1. (overhaul pump No. 2 /repair it)
2. (go aft/speak to the Bosun)
3. (go below/see the Third Engineer)
4. (go to the bridge/talk to the Captain)
5. (search the chartroom/find that map)
$\qquad$
(14.6) Use must and/or mustn't and the parenthesis. The first one has been done for you.

## Example:

(leave open/ keep shut).
Be careful! These doors must not be left open; they must always be kept shut.

1. (enter an unmanned machinery space/have permission).

Caution! A sailor $\qquad$
2. (neglect his ship's lights/maintain lighting at all times)

The electrician. $\qquad$
$\qquad$
3. (leave oil spilt on floor plates/remove it at once)

The crew. $\qquad$
at once.
4. (work without ear defenders/wear ear plugs at all times)

Crew working near high noise levels. $\qquad$
at all times.
(14.7) Complete the sentences as in the example. Use should and the list to show advice/ light obligation:
always be dressed, go on a diet, do all the safety drills, sail slowly, always listen to

## Example:

The Captain is too fat. He should go on a diet at once.

1. The fog is too dense. The vessel $\qquad$ and carefully.
2. Small vessels $\qquad$ the weather forecast, before sailing.
3. Crews of cargo ships $\qquad$ without fail.
4. The officers of luxurious cruising ships $\qquad$ in spotless uniforms.



## Choose the right answer:

1. The Captain is an excellent chess player. He $\qquad$ play chess very well.
A. must
B. can.
C. mustn't
2. You $\qquad$ enter this room. It says "Entrance Forbidden"
A. mustn't
B. couldn't
C. don't have to
3. I was thirsty, so I $\qquad$ a glass of water.
A. have got
B got
C. had
4. Visibility is very poor. So we $\qquad$ sail very slowly and carefully.
A. have to
B. got to
C. could
5. Anyone who works in the engine room $\qquad$ wear overalls and a helmet.
A. could
B. should
C. would
6. Captain Marinos was very well educated man. He $\qquad$ speak four languages.
A. could
B. would
C. should
7. You $\qquad$ never swim after you have eaten. It's very dangerous.
A. must
B. can
C. mustn't
8. The Bosun $\qquad$ time to check the cargo yesterday.
A. hasn't got
B. didn't have
C. didn't have to
9. $\qquad$ check all the lifeboats today?
A. Have you got
B. Do you have to
C. Must you to
10. We wanted to travel cabin class, but we $\qquad$ enough money.
A. didn't
B haven't got
C. didn't have
11. The Bosun $\qquad$ swim when he was only three.
A. can
B. could
C. should
12. Don't worry. He $\qquad$ drown. He is wearing a life jacket.
A. shouldn't
B. wouldn't
C. can't
13. The G.O. $\qquad$ send the message now. He is listening to the emergency frequency.
A. can't B. hasn't C. hasn't got
14. Enjoy your cruise to the Caribbean $\qquad$ a good time!
A. Have
B. Had
C. Had you
15. It's very a very warm afternoon. you like some Ice-cream?
A. Could
B. Would
C. Should



## ПРОЕТАКТIKH.

## 1. Kataбхعטџ́.

 e.g. Affirmative: do, go, come

Negative: don't do, don't go, don't come.

## 2. К $\lambda i ́ \sigma \eta-Х \varrho \eta ́ \sigma \eta . ~$

 ти́ло.

## Explanations

- Н П@обтажтıки́ عívaı бтоv тúto тov bare infinitive (go come!).


 don't $\mu л \varrho о \sigma \tau \alpha ́ ~ \alpha \tau o ́ ~ \tau o ~ b a r e ~ i n f i n i t i v e . ~$

Examples

## AFFIRMATIVE

Telephone the navigating bridge.
Me, never! You do it!
NEGATIVE
Do not (don't) use lifts.

## - Н П@обтажтเжŋ́ ð@ŋб!цолоเвíта兀:

- Гı $\alpha$ v $\alpha$ ठívovt $\alpha$ o o $\eta \gamma i ́ \varepsilon \varsigma$.
- Гıа аıти́цата.
- Гı $\alpha \iota \alpha \tau \alpha \gamma \varepsilon ́ \varsigma . ~$
- Гıа л@обжли́бєıऽ, л@обчо@ќऽ, л@ото́бєıऽ. Гıа


Switch on the night-lights of the ship.
Hand me that spanner over there.
Open the hatches!
Come and have coffee with me.
Have a biscuit, they're very nice.
Do listen to me, please!

- Eлíons хœŋбциолоьои́иє let/don’t let + tag $\mu \varepsilon$






Let's have a surprise party for the passengers tonight, shall we? Give me the spanner, can you?

Shut up, can't you?
Pass me the salt, could you?
Don't forget, will you?

Please, call the Captain. Or Call the Captain, please.

Please, sit down, next to me.

All vessels, navigate with caution!

## Notes:


 $\varkappa \alpha \lambda \varepsilon ́ \sigma о v \mu \varepsilon \tau \eta \nu \pi \varrho о \sigma о \chi \emptyset ́ \tau \omega v ~ \varepsilon v \delta i \alpha \varphi \varepsilon \varrho о \mu \varepsilon ́ v \omega v$.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 16).

## Exercises.

## (16.1) Put into the imperative. The first one has been done for you

## a: Affirmative

1. Children on board must be kept under permanent observation.

Keep children on board under permanent observation
2. The pressure must be raised to 15 kg .
3. The gangway must be hoisted right now.
4. The revolutions must be increased up to 75 .
5. We'll discharge the sludge at the next port.
6. The motor must be lifted with the chain hoist.
7. You must stay in vicinity of [the] pollution and co-operate with [the] oil clearance team.
$\qquad$
$\qquad$
8. You should keep in contact on VHF channel ...
9. Vessels in vicinity of position ... should keep a sharp look-out for aircraft
$\qquad$
$\qquad$

## b: Negative.

10. The crew mustn't leave the chamber door open.

Don't leave the chamber door open.
11. You mustn't handle this with bare hands.
12. You mustn't pass ahead of me.
13. You mustn't remove this cap from the plug leads.
14. You shouldn't switch on the ignition before checking.
15. Vessels in vicinity of position ...mustn't navigate at over 10 knots.

Vessels in vicinity of position. $\qquad$
16. Vessels in area ... mustn't navigate without caution.

Vessels in area ... $\qquad$
$\qquad$
17. You mustn't open the valve until I say "OK."
$\qquad$
$\qquad$
18. You mustn't use force to open the cover; it may crack.
$\qquad$
$\qquad$
(16.2) Use the imperative to make: suggestions, offers, invitations. (Use do, let, don't, and appropriate tags: can, could, will, shall where necessary).

## Examples:

The Second Engineer wants to act immediately, but you don't want him to hurry
Let's just not hurry, could we?
You do not want [the] patrol boat to approach the scene of the accident. Emphasise.
Do not allow [the] patrol boat to approach.

1. There is an engine problem. Suggest the Third Engineer should check with the manual.
2. The cadet is very lonely. Offer him a drink at the ship's bar.
3. You would like your new friend to have dinner at your table. Invite her informally.
4. The cadets are lowering the launch. Ask them to be careful most emphatically.
5. You want the patrol boat to identify the polluter. Request it emphatically.
6. You do not want life boat No. 5 launched. Emphasize.



## 



e.g.

CAPTAIN: Have the passengers been shown how to wear their lifejackets?
MATE: Yes, sir.They have.
 є́九аve.

## 2. $\Sigma \chi \eta \mu \alpha \tau \iota \sigma$ о́s.

 built, etc.)

## 3. К入íoŋ.

| Present | Past | Future | Present Perfect |
| :--- | :--- | :--- | :--- |
| am/is/are built | was/were built | shall/will be built | have/has been built |
| am/is/are/ not built | was/were not built | shall/will not built | have/has not been built |
| is $\boldsymbol{i}$ built? | was $\boldsymbol{i t}$ built? | will $\boldsymbol{i}$ be built? | has $\boldsymbol{i}$ t been built? |

## 4. Метат@олй.




e.g.
(ACTIVE) They scrub the deck every day. (PASSIVE) The deck is scrubbed every day.
(ACTIVE) They scrubbed the deck yesterday. (PASSIVE) The deck was scrubbed yesterday.
(ACTIVE) They will scrub the deck tomorrow. (PASSIVE) The deck will be scrubbed tomorrow.
(ACTIVE) They have already scrubbed the deck.
(PASSIVE) The deck has already been scrubbed.

## 



e.g.

| (Active) | Captain Gerry sails the "Chryssa". |
| :--- | :--- |
| (Passive) | The "Chryssa" is sailed by Captain Gerry. |

(Active) M.C. Smith wrote the "Polar Star".
(Passive) The "Polar Star" was written by M.C. Smith.

## Notes:

$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 17).

## Exercises.

## (17.1) Put the verbs in the Simple Present of the Passive Voice:

1. Good ships are built (build) in Japan.
2. The operation of the engine $\qquad$ (control) all the time.
3. Coal $\qquad$ (form) in the earth.
4. $\qquad$ vessels $\qquad$ (survey) very often?
5. Steam $\qquad$ (carry) along a jet of water.
6. This engine $\qquad$ (switch) on automatically.
7. This engine $\qquad$ (switch) off manually.

## (17.2) Put the verbs in the Simple Past of the Passive Voice:

1. The water was pumped (pump) out at once.
2. The drums $\qquad$ (fill) with water.
3. Hot plastic $\qquad$ (force) into the opening.
4. The life-boat $\qquad$ (not, launch) quickly enough.
5. The diagrams $\qquad$
6. $\qquad$ the cargo $\qquad$ (jettison) ?
(17.3) Put the verbs in the Future Simple of the Passive Voice:
7. The new tanker will be launched (launch) next month.
8. Water $\qquad$ (allow) in by this valve.
9. The M/S Eleni T. $\qquad$ (enter) dry dock next week.
10. $\qquad$ this engine $\qquad$ (use) for her propulsion?
11. $\qquad$ (pilot boat, follow) inward?
12. You $\qquad$ (not, meet) by tug. Proceed on your own.
(17.4) Put the verbs in the Present Perfect of the passive voice:
13. Pumps have been sent (send) to the distressed vessel.
14. I cannot move. My propeller $\qquad$ (damage).
15. The damage $\qquad$ (not, repair) yet. I' m still drifting.
16. $\qquad$ the leakage $\qquad$ (stop) yet?
17. The vessel $\qquad$ already $\qquad$ (survey).
(17.5) Write sentences in the Passive Voice from the words in brackets (add any missing words and put the verbs in an appropriate form):
18. (Cabin / clean / every day)

## The cabin is cleaned every day.

2. (ship / register / last year) $\qquad$
3. (fire pumps / require / M/V "Jackie") twice.
4. (fire / put / under control)
$\qquad$ soon.
5. (you /almost/ trim / by the head)
6. (MV "Rena"/already/beach/in position...)
7. (MV "Helga"/ abandon /after piracy)

## (17.6) Put the sentences in the Passive Voice:

1. The crew jettisoned part of the cargo.

Part of the cargo was jetissoned by the crew.
2. They transferred bunkers.
3. Pirates have attacked the vessel.
4. The crew will abandon the vessel.
5. Have the ABs launched the lifeboats?
6. The Captain reports five injured.
7. The officer carried out radar research.
8. They did not require medical assistance.
9. They picked up all survivors from the sea.
10. They have rescued all persons on board.

## (17.7) Put the verbs in parenthesis in the passive voice and in the right form:

1. A rudder $\qquad$ (fit) at the stern-post of a ship.
2. The propeller-shaft $\qquad$ (connect) to the engine yesterday.
3. The ship $\qquad$ (load) tomorrow.
4. Many vessels $\qquad$ (wreck) in the Bermuda Triangle so far.
5. How many passengers $\qquad$ (save)?
6. $\qquad$ the men $\qquad$ (call) on deck?" "Yes, sir. They have."
7. What $\qquad$ the men $\qquad$ ( order) to do?" "To take their positions."
8. A good look-out $\qquad$ always $\qquad$ (keep) on the bridge.
9. We can't change the ship's sailing programme. It $\qquad$ already $\qquad$ (arrange).



## Zero Type

## 1. Kataбжєvŋ́.

| IF + SIMPLE PRESENT, | SIMPLE PRESENT/ IMPERATIVE |
| :--- | :--- |

## 2. Хஉŋ́бๆ.


If the captain has time when he is in Piraeus, he always visits his brother. (standard habits)
If you heat water to 100 degrees, it boils. (It always happens -natural law)
If you arrive there too early, don't sail in at once. (Wait until you receive the signal).
 Don't eat it if you don't like it.

## Type 1.

## 1. Kataбжеvŋ́.



```
IF + PRESENT(SIMPLE/CONTINUOUS), SIMPLE FUTURE (WILL, CAN, MAY, etc.)
```


## 2. Х@ŋ́бๆ.

 If you observe all the rules and regulations, you will be safe. (reassurance)
The crew will help you if it is necessary. (reassurance)
If you hear the fire alarm signal, you must not return to your cabin. (warning)
If the ship sails tonight, I may not be able to see you.(probability)

Will you tell me in time if the vessel sails tonight? Yes, I will./ No, I won't.

## Type 2.

## 1. Kатабжеบท́.




| IF + PAST SIMPLE, | WOULD, COULD, MIGHT + INFINITIVE |
| :--- | :--- |
| IF + WERE (WAS informal) | WOULD, COULD, MIGHT + INFINITIVE |

## 2. Х@ŋ́øๆ.



The compressor would always work if you overhauled it periodically.
If there were any crewmembers missing, they would report it.

Accidents wouldn't happen if the crew weren't so careless.
I would be nicer for the ABs, if I was (were) the captain.

But you don't!
Unreal! There aren't!

Unreal! They are!
But I am not!
 Would the vessel shift from its berth if they completed the cargo work?
Yes, it would./No, it wouldn't.

## Notes:

## PRACTICE (Unit 18).

## Exercises.

(18.1) Put the verbs in the appropriate forms of Conditional Type 0 :

1. If visibility (be) $\qquad$ poor, ships (have to) $\qquad$ whistle.
2. The helmsman (report) $\qquad$ immediately if the vessel (answer, not)
$\qquad$ (the) wheel.
3. If any vessel (pass) $\qquad$ with CPA less than .... miles, (call) $\qquad$ the Master.
4. If you (detect) $\qquad$ a fire on board, (act) $\qquad$ immediately as follows.
5. (call out) $\qquad$ "Man overboard" if you (see) $\qquad$ anybody fall overboard.
6. If you (have) $\qquad$ any questions about safety, (hesitate, not) $\qquad$ to ask any of the ship's officers.
(18.2) Put the verbs in the appropriate forms of Conditional Type 1:
7. If you (moor) $\qquad$ the ship correctly, it (move, not) $\qquad$ away from the quayside.
8. If you (have, not) $\qquad$ enough patience to make a good angler, you (try, may)
$\qquad$ fishing with nets.
9. If the vessel (sail) $\qquad$ now, she (arrive) $\qquad$ in Venice in two days' time.
10. If you (alter) $\qquad$ course to port, the pilot boat (clear) $\qquad$ [the] vessel.
11. You (get) $\qquad$ several bites in an hour or so if you (be) $\qquad$ a lucky fisherman.
12. You (put on) $\qquad$ your lifejacket if there (be) $\qquad$ an emergency.
13. If you (install) $\qquad$ the valve, you (remove) $\qquad$ the carbon deposits on the valve seat first.
(18.3) Put the verbs in the appropriate forms of Conditional Type 2:
14. If you (hurry) $\qquad$ , you (miss) $\qquad$ the "Flying Dolphin".
15. If they (need) $\qquad$ their lifejackets, they (find) $\qquad$ them under the bed.
16. If one of your cabin mates (not, be able) $\qquad$ to attend the roll call, you (inform)
$\qquad$ an officer immediately.
17. You (ask) $\qquad$ any of the ship's officers if you (have) $\qquad$ any questions regarding safety.
18. Access to the area (be forbidden) $\qquad$ if the fire (be, not) $\qquad$ under control.
19. If I (be) $\qquad$ you, I (accept) $\qquad$ the position of chief mate on the S/S "LILIAN".
(18.4) Conditionals $0,1,2$. Put the verbs in the correct forms:
20. If the officer (say) Vessels in area $\qquad$ "This is a roll-call," he (call) out the passengers by their names.
21. Be careful! If you (slack off) $\qquad$ , I (tell) $\qquad$ the Captain at once.
22. If the engine had been overhauled in time the vessel $\qquad$ (not, be) without power in the middle of the ocean now.
23. If the ship $\qquad$ (call) at port, the Dockers would load the cargo promptly.
24. If anyone fell overboard, a special alarm $\qquad$ (sound) at once and engines $\qquad$ (stop).
25. Engineers would be wearing helmets if they $\qquad$ (overhaul) the engine.
26. When the crew $\qquad$ (handle) chemicals they should always wear special goggles.


## 1. Eı $\sigma \alpha \gamma \omega \gamma \eta$.




## 2. Kataбхعטŋ́.


Ka兀ó $\lambda \lambda \eta \lambda 0$ ßоŋӨŋтıxó (PROPER AUXILIARY) + Yложє́́цєvo (SUBJECT)

| AFFIRMATIVE | NEGATIVE TAG | EXPECTED ANSWER |
| :--- | :--- | :--- |
| STATEMENT |  | AFFIRMATIVE |
| The captain is angry with me, | isn't he ? | Yes, he is. |
| The vessel sails in a minute, | doesn't it? | Yes, it does. |
| The last ferry has sailed, | hasn't she? | Yes, she has. |
| The mate went aft, | didn't he? | Yes, he did. |


| NEGATIVE STATEMENT | AFFIRMATIVE | EXPECTED ANSWER |
| :--- | :--- | :--- |
|  | TAG | NEGATIVE |
| You don't believe in training, | do you? | No, I don't. |
| We are not behind schedule, | are we ? | No, you are not. |
| He doesn't have to do this, | does he? | No, he doesn't. |
| They will not sell the vessel, | will they ? | No, they won't. |

## SPECIAL CASES

- Хепбциолоьои́иє it $\gamma เ \alpha$ this, that, everything, nothing.
- ral they $\gamma \mathrm{l} \alpha$ these, those, everybody, someone, somebody, no one, nobody.
- \éne am I not (formal) xaı aren't I (informal, spoken).

That is Athina's yacht over there, isn't it?

Everybody is on board, aren't they?
No one was in the cabin, were they?
I am the authority here, am I not?
I'm your friend, aren't I?

PRACTICE (Unit 19).

## Exercises.

(19.1) Write question tags. The first one has been done for you.

## Examples:

He has never transmitted signals, has he?
They will sail across the Pacific, won't they?

1. You weren't on board yesterday, $\qquad$ ?
2. She had never taken soundings before, $\qquad$ ?
3. It isn't easy to be a good sailor, $\qquad$ ?
4. You can't go on board today, $\qquad$ ?
5. You won't take my watch from me, $\qquad$
6. You have sailed the Red Sea many times, $\qquad$ ?
7. He had transmitted [the] signal by 05.00 , $\qquad$
8. You have not taken bearings yet, $\qquad$
9. Everything is okay on board, $\qquad$
(19.2) Write question tags.
10. He repaired the engine, $\qquad$ ?
11. You don't eat fish, $\qquad$ ?
12. He understands the meaning of chivalry, $\qquad$ ?
13. The vessel sailed into port last night, $\qquad$ ?
14. You didn't obey the captain, $\qquad$ ?
15. He will never make a good sailor, $\qquad$ ?
(19.3) Write question tags.
16. Everyone came for the drill, $\qquad$ ?
17. Nobody appeared on the deck, $\qquad$
18. Well, I am the captain here, $\qquad$ ?
19. Everybody is sleeping now, $\qquad$ ?
20. Everything is in order now, $\qquad$
21. Nothing has been repaired yet, $\qquad$ ?



## ГЕPOYNDIA KAI AIIAPEMФATA.

## 

## GERUNDS \& INFINITIVES

| Gerund <br> To $\gamma$ ६@oúvסıo عíval દ́vas tútos -ing tou @ң́цктоऽ, <br> e.g. sailing, mooring, docking, heaving, tallying, <br>  <br>  <br> SUBJECT: Sailing is an expensive sport. <br> OBJECT : I love sailing. | Infinitive <br> To $\alpha \pi \alpha \varrho \varepsilon ́ \mu \varphi \alpha \tau о ~ \varepsilon i ́ v \alpha ı ~ o ~ \alpha л \lambda o ́ s ~ \tau u ́ t o s ~ \tau o v ~$ <br>  e.g. to sail, to moor, to dock, to heave, to tally <br>  <br>  <br> OBJECT: I love to sail. |
| :---: | :---: |

> LIKE (love, hate, prefer) + to infinitive/ + ing

M $\varepsilon$ то $\sigma \chi \eta ́ \mu \alpha$ LIKE (love, hate, prefer) + to infinitive/ing

1. Мло@єítє va $\lambda \varepsilon ́ \tau \varepsilon:$ Petros likes to work on small cargo ships. or Petros likes working on small cargo ships.


e.g. I like to check everything thoroughly before I take over my watch.
2. And like doing óvav $\alpha v \alpha \varphi \varepsilon ́ \varepsilon \sigma \tau \varepsilon ~ \sigma \varepsilon ~ \chi о ́ \mu л v ~ \varkappa \alpha \iota ~ \alpha ́ \lambda \lambda \lambda \alpha ~ л \varrho о \sigma \omega л \iota \varkappa \alpha ́ ~ \varepsilon v \delta \iota \alpha \varphi \varepsilon ́ \varrho о v \tau \alpha: ~$
e.g. She likes sailing in summer and skiing in winter

WOULD LIKE (love, hate, prefer) + to infinitive/ + noun
To $\sigma \chi \eta ́ \mu \alpha$ WOULD LIKE (love, hate, prefer) + to infinitive/noun


$\Sigma v \gamma$ @ívetє $\mu \varepsilon$ : I like sailing, I always go sailing the weekends. (like = enjoy)
 want) Would you like to prepare it for me? (NOT do you like)

Would like a tuna sandwich?
4. Гı $\alpha$ v $\alpha \varrho о \sigma \varkappa \alpha \lambda \varepsilon ́ \sigma \varepsilon \tau \varepsilon: ~ W o u l d ~ y o u ~ l i k e ~ t o ~ s a i l ~ m y ~ L a s e r ? ~ ? ~$

Would like to go sailing with me?

## Notes:

$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 20).

## Exercises.

(20.1) Put in the right verb in Gerund form:
a. train, lower, sail,

1. $\qquad$ the launch in such weather was a formidable task.
2. $\qquad$ a laser is great fun.
3. The cadets need to continue their $\qquad$ for another week.
b. complete, drift, tighten
4. When you can't turn the nut by hand any more, stop $\qquad$ .
5. [A] $\qquad$ oil slick was observed 1 mile off the ship to starboard.
6. After $\qquad$ the cargo work, the ship shifted from her berth.

## (20.2) Put in the right verb in the to-infinitive form:

a. alter, change, set

1. The Captain ordered him $\qquad$ from parallel to single operation.
2. After the warning by the lookout, the mate decided $\qquad$ course to port.
3. The pilot asked the bosun $\qquad$ the ladder 3 metres above water.
b. breathe, carry, operate
4. There's so much smoke, that it's difficult $\qquad$ in here.
5. Merchant ships can also $\qquad$ as tramps.
6. All liners could $\qquad$ passengers and/or cargo.

## (20.3) Put in either an infinitive or a gerund:

1. I like (swim) $\qquad$ but I wouldn't like (swim) $\qquad$ today. It's rather cold for me.
2. He likes (steer) $\qquad$ his boat close to the shore. Isn't that rather dangerous? Yes, but he likes (live) $\qquad$ dangerously.
3. You shouldn't have done that. How would you like a much bigger ship (sail) $\qquad$ so near you?
4. He said that seamen have a wonderful, easy career, but I'd like (see) $\qquad$ him work on board for six months straight, and then I'd ask him how he'd like (continue) $\qquad$ for another six.
5. Specialised vessels are designed (carry) $\qquad$ a particular type of cargo.



## Verb Forms Direct \& Reported Speech: Simple statements, questions and commands: say, tell, ask.

## 1. Eı $\sigma \alpha \gamma \omega \gamma \eta$.




## 2. $A \lambda \lambda \alpha \gamma \eta$.




| Person: I; my <br>  we; our | he, she; his, her they; their |
| :---: | :---: |
| Place: here at this place | there at that place |
| Time: today/ this week yesterday/ last week tomorrow/ next week ten minutes ago/ now | that day, that week <br> the previous day, the day before/ the week before the following day, the day after/ the week after ten minutes before, ten minutes earlier/ then |
| Verb: Ta 火v́@ıа @ŋ́цата аvaழo@ás ало́ єvӨv́ $\sigma \varepsilon \pi \lambda \alpha ́ \gamma เ o ~ \lambda o ́ \gamma o ~ \varepsilon i ́ v \alpha ı: ~$ say/tell (= $\lambda \varepsilon ́ \gamma \omega)$, ask (= $\varrho \varrho \tau \tau \omega$ ) | "Come here," he said. <br> He told me to go there at once. <br> "Are you the Captain?" she asked. |
|  <br>  <br>  | Captain Zeppos can speak two languages. <br> You should not speak to him now; he is talking to his boss. Wait till he finishes. <br> "What's the problem.?" "Sorry I don't want to talk about it." <br> He spoke as early as one year old. |

```
O о\mu\imath\lambda\eta\tau\etás \muло\varrho\varepsiloní v\alpha \alpha\varrho\chií\sigma\varepsilonו \tau\etav
\alphavapog\alpha \tauov:
\varepsiloníc\varepsilon:
- in the present (оло́т\varepsilon \delta\varepsilonv \chióv\varepsilon\iota
    жа\muí\alpha \alpha\lambda\lambdaа\gammaŋ́
She says "I like sailing."
He has said, "I started sailing when I
was six.
He has said, "I sail every weekend,"
\varepsiloní\tau\varepsilon:
- in the past (оло́т\varepsilon \alpha\lambda\lambda\alphá\zetá&\iota \tauov\varsigma
    \chi\varrhoóvovs)
He said, "I like sailing."
"I liked sailing at the Academy."
"I will sail at six," said Mary.
"We are sailing tomorrow," they said.
"May I sail now?" asked the Mate.
"Have you been to the Caribbean?"
"Where are you sailing to?" he asked
"What did you do yesterday?"
The Captain said to me, "Sail at
once!"
The Captain said to me, "Keep [the]
pilot boat on [the] port side!"
```

"I will sail at six," said Mary.
"We are sailing tomorrow," they said.
"May I sail now?" asked the Mate.
"Have you been to the Caribbean?"
"Where are you sailing to?" he asked
"What did you do yesterday?"

The Captain said to me, "Sail at once!"

The Captain said to me, "Keep [the] pilot boat on [the] port side!"

She says she likes sailing.
He has said he started sailing when he was six.

He has said that he sails every weekend.

He said (that) he liked sailing.
He said he had liked sailing at the Academy.

Mary said (that) she would sail at six.
They said they were sailing the following day.

The Mate asked if he might sail then.
She asked (me) if I had been to the Caribbean.
He asked where I was sailing to.
She asked what I had done the day before.

The Captain told me to sail at once.

The Captain told me to keep [the] pilot boat on [the] port side.

## Notes:

$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 21).

## Exercises.

## (21.1) Put say, tell, ask, talk, speak: (remember: say to sb = tell sb)

1. "How many languages can you $\qquad$ ?" the master $\qquad$ the steward.
2. "The boat will enter port in exactly 20 min.," the steward $\qquad$ to the passenger.
3. "Please $\qquad$ me where the dining saloon is," $\qquad$ the passenger.
4. The steward $\qquad$ the young lady that lunch would be served at 01.00 hours.
5. The mother $\qquad$ the others not to $\qquad$ so loudly in the cabin.
(21.2) Put say, tell, ask, talk, speak: (remember: say to sb $=$ tell sb)
6. The little passenger $\qquad$ that he had seen a whale that was 100 m long, but his father advised him not to $\qquad$ nonsense.
7. "I can't take double watch tonight," $\qquad$ the Third Mate. "I'm too tired.'
8. "Come on, $\qquad$ to me," $\qquad$ the Master to the stowaway, " $\qquad$ me the whole truth, how did you get on board?"
9. "Can it be $\qquad$ that dolphins have a language?" "Not, really," the Master $\qquad$ . "Whales have."
10. "What are you $\qquad$ about?" $\qquad$ the Mate. "I've never heard a whale $\qquad$ ."

## (21.3) Turn the following sentences into Reported Speech:

e.g. "Put helm hard to port!" said the Master to the helmsman.

The master told the helmsman to put helm hard to port.

1. "The loading operation will finish dead on schedule," said the Second Mate.
2. "The ship is being launched," he said.
3. "The ship didn't vibrate, " he said.
4. "The new government has raised the value of the dollar," he said.
5. "The super tanker "TITAN" collided with an OBO while sailing near Chania," he said.
$\qquad$
6. "Where is the logbook?" asked the Chief Engineer.
7. "What time is it?" the Captain asked the Steward.

## (21.4) Turn the following sentences into Reported Speech:

1. "How long will it take you to repair the breakdown?" the Captain asked the
engineers.
2. "Who are you?" the Captain asked the stowaway.
3. "What is wrong with pilot ladder?" the Captain asked the Bosun.
4. "Stand by pilot ladder!" ordered the Captain.
5. "Rig [the] pilot ladder 3 metres above [the] water!" said the Captain.
6. "Correct [the] list of [the] vessel!" said the Mate.
7. "Make lee on your starboard side!" said the Mate to the Bosun.
8. "Put [the] lights on at [the] pilot ladder!" said the Second Mate to the AB.
$\qquad$



## Exercises.

## (22.1) Choose the right answer:

1. I'd love $\qquad$ a boat like yours.
A. having
B. to have
C. have
2. That suitcase is too heavy madam, let me $\qquad$ for you.
A. carry
B. to carry
C. carrying
3. The passenger looked at the steward without $\qquad$ anything.
A. say
B. to say
C. saying
4. Would like $\qquad$ a drink, sir?
A. to have
B. have
C. having
5. If you don't hurry, you $\qquad$ the last ship to Spetses.
A. would miss
B. will miss
C. miss
6. The Captain $\qquad$ a gold fountain pen on his birthday.
A. was given
B. would give
C. will give
7. The ship owner $\qquad$ about the loss of the ship, yet.
A. have not told
B. was telling
C. has not been told
8. If you $\qquad$ the pump regularly, it wouldn't break down.
A. service
B. would service
C. serviced
9. $\qquad$ overboard liferaft No. 3 and report
A. Cover
B. Throw
C. Turn

## (22.2) Choose the right answer:

1. They entered the lifeboats, $\qquad$ .?
A. did they
B. don't they
C. didn't they
2. Hold on a moment, please, $\qquad$ ?
A. will you
B. can't I
C. don't you
3. If they had the spare valve, they $\qquad$ the pump.
A. could fix
B. can fix
C. will fix
4. If you service an engine regularly, it never $\qquad$ down.
A. broke
B. will break
C. breaks
5. A lot of boats $\qquad$ in this area, so don't leave it here.
A. will steal
B. are stolen
C. will be stolen
6. $\qquad$ coast radio stations about [the] lifeboats launched.
A. Speak B. Say C. Tell
7. The Captain asked the Bosun why the pilot boat $\qquad$ rigged.
A. isn't
B. hasn't
C. wasn't



## EPSTHMATIKE $\Lambda$ IEEEIL.


$\alpha$. Гı $\alpha$ л@óбшл $\alpha$ (who, whom, which (of), whose).
$\beta$. Гı $\alpha$ л $\alpha ́ \gamma \mu \alpha \tau \alpha$ (what, which, whose).
$\gamma$. Гі $\alpha$ т@о́ло (how).
$\delta . ~ Г \iota \alpha$ то́ло (where).
ع. Гıа ð@óvo (when).
$\zeta$. Гı $\alpha$ лобо́тŋтєऽ/๙@ө $\theta$ о́ (how much / how many) $\mathfrak{x \lambda \pi . ~}$

| Who is responsible for everything on board? | The Master is. |
| :--- | :--- |
| Who(m) did you take over the watch from?* | The Third Officer. |
| Whose luggage is that? | It's mine. |
| What type of vessel is that? | It's a container ship. |
| What is he? | He is an engineer. |
| Which shipping company do you work for?* | Minoan Lines. |
| Which of you is the Coxswain? | Me. |
| Where is the vessel sailing for?* | The Azores. |
| When does your shift start? | At 12.00 hours. |
| Why did you call the Captain? | Because he should be on the bridge right |
|  |  |
| How do you travel to your home town? |  |
| How many ships does OMEGA S.A. have ? | By sea. |
| * חoout a hundred, I think. |  |

## Notes:

$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 23).

## Exercises.

(23.1) Put in the correct question words in the blanks.
e.g. Who is the officer of the watch? Captain Follas.

1. $\qquad$ is that guitar? The Chief Engineer's
2. ............ is the ship going to call next? At the port of Hydra.
3. ............ drills have the men had? Three, I think.
4. ............ did you call the Chief Engineer? Because we are losing speed.
5. ........... is he? A greaser on a cargo vessel.
6. $\qquad$ did you travel home? By aeroplane.
7. ............ of you is the first mate? Me, sir!

## (23.2) Start questions with the words in brackets.

## Example:

I expect to refloat tomorrow at 17.00 (When)
When do you expect to refloat?

1. I require tug-boat assistance (What kind)
2. She must beach in position (Where)
3. I have a very heavy list to starboard (How heavy)
4. I can jettison bunkers (What)
5. I have launched four life boats (How many)
6. We have winds from the north (Which direction)
7. I sent a Mayday because I had a heavy list. (Why)

## (23.3) Ask questions to match the answers:

## Example:

The boat has a length of 4 metres.
How long is the boat?

1. The superstructure has a height of 11 metres.
2. The vessel has a width (beam) of 25 metres.
3. The harbour has a depth of 10 metres.
4. The plate has a thickness of 3 cm .
5. The master is on the bridge.
6. The Chief Engineer wants the greaser to do overtime.
(23.4) Ask questions to match the answers:
7. I am Second Mate on a passenger liner.
8. The Master wants the blue one.
9. I see Mary on the promenade deck.
10. They always go on holiday in August.
11. $\mathrm{M} / \mathrm{V}$ «ALEXANDER» has [a] leak below [the] water line.
12. M/V «Birgit» requires [an] escort.
13. I'm the First Mate on this container ship.



## А. ПИH®YNTIKOГ OYГIA

## $\Sigma \chi \eta \mu \alpha \tau \iota \sigma \mu$ о́s.

| $K \alpha \tau \alpha ́ \lambda \eta \xi \eta$ | ПообӨŋ́ชๆ | Пఎ@áбєıүиа |
| :---: | :---: | :---: |
| $\Gamma \iota \alpha:$ <br> - о́ג $\varepsilon \varsigma \tau ı \varsigma ~ \chi \alpha \tau \alpha \lambda \eta ́ \xi \varepsilon ı \varsigma$ <br> - exrós: s, x, sh, ch <br> - би́ $\mu \varphi \omega$ o +y <br> - -о $\mu \varepsilon$ ฉぃо́: нє@ıи́ <br> - -f $\mu \varepsilon$ южи́: $\mu \varepsilon \varrho \prec \alpha ́: ~$ <br> - $\alpha \lambda \lambda \varepsilon \varsigma ~ \gamma \alpha \tau \alpha \lambda ŋ ́ \xi \varepsilon ı \varsigma: ~$ <br> - -x (Latin): <br> - -sis (Greek): |  | mate-s, vessel-s, dock-s, container-s, tug-s compass-es, mesh-es, hatch-es, gas-es body-bodies, sky-skies, (but: buoy-buoys) photo-s, studio-s, zoo-s, kilo-s potato-es, hero-es, cargo-es half-halves, life- lives, roof-s, chief-s <br> crucifix-crucifices(or-xes) hypothesis-hypotheses |

## B. ANQMAAOI ПAHEYNTIKOI.

man-men, woman-women, postman-postmen etc.
child-children, ox-oxen, mouse-mice, louse-lice, foot-feet, goose-geese, tooth-teeth.

## Г. ГYN@ETA OYェIAธTIKA.



$\alpha)$ sea + urchin $=$ a sea urchin
$\beta$ ) sea + way $=$ a seaway
$\gamma$ ) Ice + cream $=$ an ice-cream

## Па@атŋ́@ŋбף:


 $\varepsilon v \sigma \omega \mu \alpha \tau \omega \sigma \varepsilon \omega s$ (seafront rol sea front).

## 

- (animals) deer, fish, sheep,
 үo@ías vooúvtal otov عvเหó xaı бтоv л $\lambda \eta \theta$ ยvтіхо́.
- (work-works)


## 





- (singular with -s) means, news, series, species.



- (taken as a whole) furniture, luggage, cutlery, etc.
 หатทүo@ías vooúvtal oav عvıaío đúvo入o.
- (abstract) information, money, accommodation, machinery, etc.

Mount Parnitha used to have a lot of deer.
The Adriatic has many kinds of fishes.

The Mate always has a lot of work to do. The Captain has collected a lot of works of art in his twenty years of service..

My uncle is employed in the steelworks down near the harbour.

The news is good.
The aeroplane is a safe means of transportation.

After the terrible flood destroyed everything we had to buy new furniture.

Can I have some information please?




- (materials) iron, water, coffee, bread, glass.




I'd like some coffee, please.
Modern buildings are made of glass and steel.
I'd like a glass of water, please.
I hardly recognised him; he was wearing dark glasses and bowler hat.

## Notes:

$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 24).

## Exercises.

(24.1) Give the plural of the following (use: -s -es, -ies, -ves, -ces)

(24.2) Give the Irregular Plurals:

1. child $\qquad$ 6. postman
2. woman $\qquad$
3. mouse $\qquad$
4. foot $\qquad$
5. louse $\qquad$
6. goose
7. tooth
8. ox
9. pumpman
(24.3) Join the right words to make a compound word:
(A) one word (e.g. starlight)

| 1. cam | weight |  |
| :--- | :--- | :--- |
| 2. tug | board |  |
| 3. light | front |  |
| 4. sea | house |  |
| 5. break | boat |  |
| 6. ice | down | $\square$ |
| 7. break | shaft | $\square$ |
| 8. star | breaker | $\square$ |
| 9. fly | water |  |

(B) two words (e.g. star sign)

| 1. vacuum | ton |  |
| :--- | :--- | :--- |
| 2. ferry | boat | $\square$ |
| 3. deep | book | $\square$ |
| 4. super | valve | $\square$ |
| 5. steam | tank | $\square$ |
| 6. dry | dock | $\square$ |
| 7. log | turbine | $\square$ |
| 8. metric | tanker | $\square$ |
| 9. discharge | tube |  |

(C) two words joined by hyphen (e.g. star-fish).

1. ice
2. sky
line
3. expansion
urbine

4. cargo compressor
5. motor
device
6. steam
piece
7. work skate
8. steerage section
9. cross
way

## (24.4) Join the words in the right way to make a compound noun.

(e.g. starlight, star sign, star-fish).

1. water owner
2. anchor tube
3. salt man
4. life tank
5. sea water
6. drain man
7. ship shaft
8. sea jacket
9. crank farer


## OYEIAETIKA.

## Аıах@íवеıs:

$\alpha$. A@ı $\theta \mu \eta{ }^{\prime} \sigma \mu \alpha$ (friend, table, cadet, vessel, boat, spanner, tool)
$\beta$. M $\eta$ @øı $\theta \mu \eta \sigma \mu \alpha$ (navigation, information, coffee, milk, love, equipment)

б. A甲ఇŋఇиє́v $\alpha$ (irritation, shipping, knowledge)

## COUNTABLE NOUNS (Aрıөри́бяца)

 Өuvтızó ц@ı $\theta$ цó.
-Хøךбцолоьои́ $\mu \varepsilon$ a $\not \alpha \iota$ an $\mu \varepsilon \alpha v \tau \alpha ́$.
-To @ŋ́u人 $\mu \pi 0 \varrho \varepsilon i ́ ~ v \alpha ~ \varepsilon i ́ v \alpha l ~ \varepsilon i ́ t \varepsilon ~ o \tau o v ~ \varepsilon v ı x o ́ ~$


Container ships are expensive to make.
Do you have a house in the country?
She is an intelligent girl.

## UNCOUNTABLE NOUNS <br> (Мף $\boldsymbol{\alpha} \bullet \bullet \boldsymbol{\mu} \boldsymbol{\eta} \boldsymbol{\sigma} \boldsymbol{\mu} \boldsymbol{\alpha})$



- $\Delta \varepsilon v \chi \varrho \eta \sigma \mu о \pi о ь о и ́ \mu \varepsilon$ а $\chi \alpha \iota$ an $\mu \varepsilon \alpha \cup \tau \alpha ́$.

The passengers' luggage is all in that room.
The master likes popular music very much.
All this machinery is useless.


## NOUNS THAT ARE BOTH COUNTABLE AND UNCOUNTABLE ('A $\lambda \lambda \boldsymbol{\lambda} \boldsymbol{\tau} \varepsilon \alpha \varrho ө \mu \eta \boldsymbol{\sigma} \boldsymbol{\mu} \mu \alpha$ 



- A@ıӨиŋ́б!

Glass is a brittle material.
He is wearing dark glasses

ABSTRACT NOUNS A@ı $\boldsymbol{\mu} \boldsymbol{\eta} \boldsymbol{\sigma} \boldsymbol{\mu} \boldsymbol{\mu}$

- $\Sigma v \mu л \varepsilon \varrho เ \varphi \varepsilon ́ \varrho о v \tau \alpha \iota ~ о ́ \pi \omega \varsigma ~ \tau \alpha ~ \mu \eta ~ \alpha \varrho ө ө и ́ \sigma ц \mu \alpha ~$ beauty, courage, education, freedom, advice, information, evidence, proof, work.


## BEHAVE LIKE THE UNCOUNTABLES

It was a yacht of great beauty.
He gave me some sound advice.
He never has time.

## PRACTICE (Unit 25).

## Exercises.

(25.1) Put in the verbs and nouns in the right number (singular/plural).

If necessary use your dictionary. The first one has been done for you:

1. Mary has blue eyes and beautiful blonde (hair) hair.
2. It takes a lot of (machinery) $\qquad$ to operate a vessel.
3. There (be) $\qquad$ a lot of auxiliary (machine) $\qquad$ on board.
4. As there (be) $\qquad$ very little (fuel) $\qquad$ left, they set course for the nearest port.
5. The Captain enjoys listening to (music) $\qquad$ He bought a lot of (CD) $\qquad$ at the last port of call.
6. The Chief Engineer told the Third Engineer to do a lot of (job) ............ around the engine room, because he had a lot of paper (work) to do.

## (25.2) Put a/an where possible or choose the correct word/phrase in brackets:

1. There was such $\qquad$ terrible weather that passenger liners were not allowed to sail.
2. $\qquad$ nautical education in important in Greece.
3. The Captain told the Cadet that he could have $\qquad$ very good education in the Southampton Marine Academy.
4. The Chief Engineer had a lot of unusual (experience/experiences) on that very old cargo liner.
5. Do not allow the Mate to navigate in this channel. He hasn't got enough (experience/experiences).
6. The Bosun has a lot of (knowledge/knowledges) of life-saving (equipment/equipments).
7. The Captain wished the cadet $\qquad$ good luck.
8. In Greece we experienced $\qquad$ hospitality that we had never come across before.
9. It took only a little (time/times) to fix the pump. He had done it many (time/times) before.
10. The Second Engineer has a beautiful aquarium with seven (fish/fishes) in his cabin.
11. Today's menu is (fish/fishes) for dinner.
12. Mt Parnitha used to have plenty of (deer/deers).
(25.3) Write sentences of your own with the following nouns. Use them in the plural (-s, es) wherever possible.
```
garbage, hardware, luggage, baggage, river, lake, sea, thunder, screw, water, information, trip, traffic
```

(a) Uncountable.
1.
2.
3.
4.
5.
6.
7.
8.
(b) Countable.
1.
2.
3.
4.
5.



Genitives: (of), ('s), ('), (s').
A. Гevıxŋ́ Kıๆтıxŋ́ (SAXON GENITIVE ('), ('s), (s').


|  каl -s. | The Captain's cabin. The dog's kennel |
| :---: | :---: |
|  пробӨє́бєтє -s, а а入д́ $\mu п о р є і ́ t \varepsilon . ~$ | Charles' friends or Charles's friends. |
|  пробӨع́бє $\mu$ óvo апо́отрофо: | The sailors' quarters. |
|  апо́бтофо каı -s. | The seamen's families. |
|  <br>  ото 8 عútعро. | Mary and John's father is a Captain. |
| - Av ta סúo ouoıaotıká סev éxouv oxéon $\mu \varepsilon t a \xi ́$ ú tous пробӨє́бє ठúo апобто́фоus. | These clothes are Jean's and Lilian's. |



- Look at the bow of that ship. It's beautiful.
- At the beginning of the voyage the weather was wonderful.
- Alexandria is the most beautiful city of Egypt.


## Notes:

$\qquad$
$\qquad$
$\qquad$

## Practice Unit (26).

## Exercises.

(26.1) Put in the correct possessive: ('), ('s), (s'). The first one has been done for you.

## Example:

This uniform isn't the (Captain) Captain's, It's the (Chief Mate) Chief Mate's.

1. These cabins are not the (crew) $\qquad$ . They are the (passengers) $\qquad$ .
2. The boat is that (man) $\qquad$ over there.
3. The scooter is not the (children) $\qquad$ .
4. The Captain ordered the (ship) $\qquad$ Boatswain to prepare a fire drill.
5. Where did you find this? At the (Chemist) $\qquad$ .
6. This boat does not belong to the Nortons, it's the (Smiths) $\qquad$ .
7. The Captain is (Mary and John) $\qquad$ father.
8. Those bags must be (John and Nick) $\qquad$ .
9. These cabins are the (men) $\qquad$ quarters.

## (26.2) Write sentences about these people:

## Example:

(Lillian/ Chief Engineer/ wife) Lillian is the Chief Engineer's wife.

1. (this cabin/ Captain/ quarters)
2. (Mary/ Mate/ daughter)

$$
5-2+2
$$

$\qquad$
3. (Anthony/ Bosun/ son) $\qquad$
4. (Julia/ Electrician/ fiancee)

## (26.3) Correct the sentences where necessary:

## Examples:

For the Mate the watch is the best part of his job.
OK.
The AB slept in the cabin of the Bosun last night.
....in the Bosun's cabin
..........................................
$\qquad$
$\qquad$
$\qquad$
5. This is the job of the Oiler.

1. The job of the pilot is very important.
2. The engines of the tug boat are powerful.
3. He signed at the bottom of the page.
4. This is the favourite dish of the Cook.


## IIPOㅇIIIKE ANTQNYMIE



## К入íøך - Х@ŋ́øๆ.

|  | Pronouns | Examples |
| :---: | :---: | :---: |
| - SUBJECT PRONOUNS Oı пробшпике́s avt 1 vuии́єs onv ovopaбtıkи́ xрппиопоıoúvtaı oav ипокєі́цеvа. | I <br> you <br> he, she, it <br> we <br> you <br> they | The ship sailed. It/She was a tanker. <br> (To "It/She" avapépetaı oto "ship") <br> The mate said, "I think, I saw a liferaft." <br> (To "I" avaфépetaı бтo "mate"). |
| - OBJECT PRONOUNS <br>  ornv aitiatikń xpпøиопоıoúvtaı $\sigma a v$ avaкعípeva. | me <br> you <br> him, her, it <br> us <br> you <br> them | The MINERVA MARITIME bought the ship. <br> They bought it. <br> (To "It" ava甲épetaı oto "ship") |
| - POSSESSIVE <br> PRONOUNS <br> -Oı кınaкés avt(wvupúєs avaфépovtaı otov кtńtopa каı $\delta \varepsilon v$ акодouӨоúvtaı aпó <br>  ¿úүкрıve парака́tт $\mu \varepsilon$ ta кшпıка́ єпíӨєta (Possessive Adjectives): | mine <br> yours <br> his, hers * <br> ours <br> yours <br> theirs <br> * $\Delta \varepsilon v$ unápxeı its | This car's mine and that's yours. |


| －REFLEXIVE PRONOUNS <br> －Oı autona日عís avt（wvuиíعs $\mu$ порои́v va عппрєáZouv to uпокєíयєvo ń va סívouv aп入á ép甲аon ótı to uпокє́́цєvo éкаvع tnv evépyєıa $\mu$ óvo． | myself <br> yourself <br> himself <br> ourselves <br> yourselves <br> themselves <br> herself <br> Itself | Examples： <br> I cut myself． <br> （i．e．I was cut by me！） <br> John scrubbed the deck himself． <br> （i．e．alone without any help） |
| :---: | :---: | :---: |
| －POSSESSIVE <br> ADJECTIVES Ta кmпıќ عпíधєta $\delta \varepsilon$ xрпоциопоıо́vitaı потє́ нóva tous．Ako入ouӨoúvtaı пávta anó ouoıaotikó （аvıккíuعvo）． | my <br> your <br> his／her <br> its <br> our <br> your <br> their | Examples： <br> Give the cat its food every morning and evening． <br> That is your luggage over there． <br> I think this is their yacht over here next to the＂RENA II＂． <br> This is my suitcase and that is your hand bag． |
| －DOUBLE POSSESSIVES <br> Прокúntouv anó tnv aváykn va $\beta$ ádoupe áp $\theta$ po <br>  ктптко́ ？ | Tótє $\mu п о \rho о и ́ \mu \varepsilon ~ v a ~$ хрпбıиопои́бочия uóvo tis avt $\omega v \cup \mu i ́ \varepsilon s \mu^{\mu}$ of + possessive | $\Delta \varepsilon v \mu$ порои́иє va пои́цв：a my boat． \є́иع： <br> a boat of mine，that boat of his． <br> He listened to every word of hers． <br> He is a friend of mine． <br> He is friend of the Minister＇s． <br> Eníons $\varepsilon$ عívaı סuvató： <br> He＇s a friend of the Minister． |

## Notes：

$\qquad$
$\qquad$
$\qquad$

## Practice Unit (27)

## Exercises.

## (27.1) Replace the underlined with a personal pronoun.

Example: The Chief Mate is writing a letter to his mother. He is writing a letter to her.

1. The Captain and the First Mate entered the bridge
2. Mrs Smith told the stewardess to bring some lemonade.
3. The Mate and I went on deck to find Mr Smith.
4. The passengers asked the pilot and me to watch the rescue operation.
5. The Boatswain asked the ABs to hurry up with the work.
(27.2) Put in the correct possessive adjective (my, your...):

## Example:

"Id like some ice in my whiskey," said the Chief Engineer.

1. "We'd like breakfast in $\qquad$ cabin," said the passenger.
2. "Would you like wine with $\qquad$ meal?" asked the Steward.
3. The Second Engineer likes bacon with $\qquad$ eggs.
4. The stewardess 'd like lemon in $\qquad$ tea.
5. The children would like a TV in $\qquad$ cabin.
(27.3) Complete the sentences of the dialogue. Use pronouns (I, me, you etc.) and short answers (e.g. Yes, I have/ No, I haven't).

## Example:

A: Do you know the Captain and the Chief Engineer of the $S / S$ "BIRGIT"
B: Yes, J do. I met them at the Consul's party yesterday.

1. C: Did you see the new lifeboat in the Marine Exhibition?

E: No, $\qquad$ Was $\qquad$ in the port? I didn't see $\qquad$
2. C : Is the new scotch boiler expensive?

E: No, $\qquad$ is rather cheap.
3. C: Have you and the other engineers arranged the watches?

E: No, $\qquad$ I have a plan but $\qquad$ haven't agreed with $\qquad$ yet.
....... are going to give $\qquad$ an answer tomorrow.
4. C: Do you think I can learn French in 10 months?

E: Yes, $\qquad$ can learn a lot if $\qquad$ study every day.
5. C: Has Captain Fokas found a ship?

E: Yes, $\qquad$ Omega Shipping have employed $\qquad$ for their new super tanker. $\qquad$ told $\qquad$ at the party last night, and $\qquad$ congratulated $\qquad$ .
(27.4) Put the pronouns in parenthesis in the possessive form (mine, etc.):

1. This sextant is not (you) $\qquad$ , it's (I) $\qquad$ .
2. This is (he) $\qquad$ bathing suit and that is (she) $\qquad$ over there
3. Those suitcases belong to the Japanese passengers; they are (they) $\qquad$ .
4. No sir, these hand bags are not (you) $\qquad$ , they are (we) $\qquad$ .
5. This house is Mary's. (we) $\qquad$ is farther up the hill.
6. The ship is leaving (it) $\qquad$ berth now.
7. Surprise! A friend of (you) $\qquad$ is coming on board at the next port of call.

## (27.5) Fill in the blanks with a suitable reflexive pronoun (myself, etc):

1. After the collision the boat $\qquad$ was OK. But some of the passengers were injured.
2. The situation was so serious, that the Captain $\qquad$ made the announcement.
3. The maiden voyage was formal, so the wives of the officers $\qquad$ were also invited.
4. Be careful with that rope! You may cut $\qquad$ badly with that rope.
5. They knew that once they were on the island they were on their own. They would just have 6. to take care of $\qquad$ .
6. Good-bye, my dear! Enjoy $\qquad$ on that wonderful cruise.
7. She hurt $\qquad$ while coming up the gangway.



## AIIPOESIO IT/ THERE.

## 1. Х@ŋ́øๆ IT.

| Хрпбıиопоюои́ия то -it | examples |
| :---: | :---: |
|  пра́үца, цıа пра́धn, цıа катáotaơn ń щıa ıঠ́éa. | This Decca navigator works perfectly. Is it expensive? <br> Sailing is an expensive hobby, isn't it? <br> And you must scrub the deck all by yourself. It sure is unfair. <br> Sell the house and live on a yacht. I thinks it's a great idea. |
|  áүv $\omega \sigma$ то про́бшпо. | Did someone knock? Yes, it must be the steward. |
| - 1 ıa va avapєрӨoúne onnv $\omega \rho a, ~ t n v ~ n \mu \varepsilon ́ \rho a, ~ t o v ~ к а ı \rho o ́, ~$ kau tnv anóotaon. | What day is it? It's Sunday. It's 22 June. It's my birthday. <br> It is cold/ hot/ cool/ warm/ windy/ raining/ snowing/drizzling. <br> How far is Sounion from Piraeus. It's about 60 miles. |
| - $\sum \varepsilon$ пгрıóסous пои перı́́xouv ava甲oрıке́s протáбєıs (that-clause) ń éva апарє́цфато (infinitive). | It is true that too large a tanker is not profitable any more. It would be a good idea to book your passage in advance in summer. |

## 2．X＠ŋ́øๆ THERE．

| There＋be | examples |
| :---: | :---: |
| －Хрпоиопооои́ $\varepsilon$ there＋be үıa va ava甲єрӨoúpe $\sigma n v$ úпар§n عvós avӨр́́nou ń عvós пра́үиатоs． | I must go to Syros．There＇s a flying dolphin sailing at 06．30． <br> There are as many as ten navigating officers on large liners． <br> There were a lot of passengers on the promenade deck． <br> There have been too many changes made on that bulk <br> carrier．（too many＝more than acceptable） |

3． $\mathrm{N} \alpha \chi \varrho \eta \sigma ц \mu о л о ⿰ \neq \boldsymbol{\eta} \sigma$ it $\boldsymbol{\eta}$ there？

There is a cargo ship in the harbour．It is a large container ship．



## $\triangle E I K T I K E \Sigma$ ANTRNYMIE $\Sigma$（Demonstratives）．

## 

| singular | plural | examples |
| :---: | :---: | :---: |
| this <br> that | these <br> those | －＇Otav o opı入nıńs $\delta$ عíxveı kátı kovtá tou． <br> This（here）is a beautiful yacht． <br> This is my car．Please，get in． <br> －＇Otav o ouı入ntńs $\delta$ عíxveı кátı uakpıá tou． <br> Take these deck chairs up to the awning deck． <br> Check the ticket of that passenger over． <br> Entry to those spaces（there）is forbidden． |

## 2．Х＠ŋ́бๆ．

 ұœóvo：

## People：

 kaı to that סíveı tnv tautótnta av $\theta \rho \omega ் \Pi \omega$ ．
 пíб $\omega$ апо́ $\mu$ а по́рта：
To this $\lambda \varepsilon \varepsilon ı$ поюı ع́́иवбєє，ta this／that $\rho \omega$ тоúv погоs عívaı．

Captain，this is Mario Hadzis，our new Third Engineer．
That is the Chinese pilot over there．

Attention，attention！This is your Captain speaking． Hello？Who＇s this／that，please？

| Places and situations: <br> - 'Otav ß <br>  this үıа va to екчра́боине. | The view of the island is wonderful from this deck, isn't it? <br> This reception is too noisy. Shall we go out and enjoy the sunset from the railings? |
| :---: | :---: |
| Time: <br> - Хрпоиопооои́ия ta this/these ótav ßpıoко́ $\mu$ абтє коvtá otn otıүии́ ń <br>  ava甲єро́ $\mu a \sigma \varepsilon$, каı ta that/those ótav ßрıоко́иаотє $\mu$ ккрıа́. <br>  <br>  поu про́кєıта va oupßعí ń va $\lambda \varepsilon x \theta \varepsilon i ́$. | I am sailing as a Cadet Engineer this summer. Few students sign on as seafarers these days. Do you remember that trip round Cape Horn? Oh yes, those were the days! <br> What was that noise? It must have been a tug passed. <br> I hate to tell you this, but that was really a stupid thing to do. |

## Notes:

$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 28).

## Exercises.

(28.1) Put in: it, there, they in the blanks.

## Example:

There is no hope to rescue more persons.

1. $\qquad$ rains a lot in winter.
2. $\qquad$ is still one lifeboat with survivors.
3. $\qquad$ are no more liferafts in distress position.
4. What time is $\qquad$ ?
5. Will $\qquad$ be a lot of ships in the harbour?
6. The crew were very helpful. $\qquad$ always responded immediately.
7. $\qquad$ is no immediate danger to our passengers.
8. How much time is $\qquad$ left? $\qquad$ can't be much. $\qquad$ are coming any minute now.
9. Tomorrow $\qquad$ will be cold. $\qquad$ will be some snow during the night.
10. At last I hope $\qquad$ will not be foggy.
(28.2) Use this, that, these, those, in the blanks:
11. $\qquad$ are our seats here and $\qquad$ are yours over there.
12. $\qquad$ island in the foreground is Aegina and $\qquad$ in the background are Hydra and Spetses.
13. Do you remember what happened on $\qquad$ day on the $\mathrm{T} / \mathrm{S}$ 'Petros the Great"?
14. Oh yes, I haven't forgotten to $\qquad$ day.
15. "I like reading stories about pirates and great explorers." "So do I $\qquad$ were the days, as the song goes."
(28.3) Ask questions as in the examples considering the answers:

## Examples:

(furnace/boiler)
Is there a furnace in a boiler? Yes, there is.
(steering wheels/cargo ship)
How many steering wheels are there on a cargo ship? Just one.

1. (water drums / water-tube boiler)
? Usually three.
2. (steam drum / water-tube boiler)
$\qquad$ ? Yes, there is.
3. (Coast Guard station / this fishing village)
..........................................................................? No, there isn't.
4. (impeller / centrifugal pump)
? Yes, there is.
5. (gear-wheels / gear wheel pump)
? Yes, there are.
6. (smoke box/Scotch boiler).


(29.1) Choose the right answer:
7. $\qquad$ was the vessel painted? Last month.
A. Where
B When
C. What.
8. $\qquad$ jacket is that. The helmsman's.
A. Whose
B. Whom
C. Who.
9. $\qquad$ spare valve have we got . Just three.
A. How many
B. When
C. How heavy.
10. Where is the Steward? I think I saw $\qquad$ in the bar.
A. she
B. him
C. he.
11. Who are these ABs? $\qquad$ are the fire team.
A. They
B. You
C. We.
12. Who's that beautiful passenger? That's Elektra; $\qquad$ is Greek.
A. She
B. Them
C. Her.
13. Our $\qquad$ name is Marsha. She's a cocker spaniel.
A. dog's
B. dogs'
C. of the dog's.
14. This is $\qquad$ dog. The sisters love him very much.
A. Helen and Krystia's B. Helen's and Krystia's C Helen's and Krystia.
15. Is there $\qquad$ food in the lifeboat? Yes, plenty of cans and a bag of rusks.
A. some
B. no
C. any.

## (29.2) Choose the right answer:

1. This is the Bosun and that is $\qquad$ daughter.
A. his
B. her
C. of his.
2. That beautiful boat over there is $\qquad$ They bought it last year.
A. our
B. your
C. theirs.
3. It was their fault. They caused the damage $\qquad$
A. ourselves
B. yourselves
C. themselves.
4. Is this bag the Stewardess's? No, this is mine and that is $\qquad$
A. her
B. hers
C. ours.
5. $\qquad$ berth here is for the M/V "Jackie", and that one over there for the S/S "Ionia".
A. This
B. That
C. These.
6. $\qquad$ rains a lot in winter in Glasgow.
A. There
B. It
C. This.



## Determiners： <br> Article a／an＋Countable， Article the＋Countable／Uncountable， No Article

## AP＠PA．

## 


 an oar，an apprentice，an ensign，an hour，an island
 a boat，a car，a door，a sail，a ship，a vessel，a window，a yard

## 2．To Aó＠tovo á＠⿴囗o a／an（Indefinite Article）．

Хрпоıиопоюои́иє：
－a／an＋singular count noun
－no article＋plural count noun
－Гıa va kávouиe
yعviкev́øeıs

A cargo ship is expensive．
Cargo ships are expensive．
Bad weather is dangerous at sea．
－no article＋uncountable noun

## 

| Хрпоıиопоюои́иє： <br> －a／an＋singular count noun <br> －some＋plural countable <br> nouns <br> －some＋uncountable noun | Гıa va ava甲єрӨoúц бє： <br>  <br> －оع перıббо́tєра avtıкеíцєva． <br> －бє $\mu$ икри́ побótnta． | I saw a tanker outside the port． <br> I saw some ships at pier 5 ． <br> Some luggage was still on board． |
| :---: | :---: | :---: |

## 4．To о＠เбтıкó व́＠日＠o the（Definite Article）．

Хрпоıиопоюои́иє：
－the + singular count noun
－the＋plural count noun
－the＋uncountable noun
 оиүкєкрюц́ṽa avtıкєíцєva．

The vessel is in the harbour．
I saw the ships in the port．
The luggage has been unloaded．

## 5．Гعvเxท́ $\varrho \varrho ŋ ́ \sigma \eta ~ \tau \omega v ~ \alpha ́ \varrho \theta \varrho \omega v$.

|  <br>  про́бюпа поu عбєís каı oı ouvouı入ntés oas үvopí̧ouv． | Take this message to the Master． <br> You can＇t see the moon tonight．It＇s cloudy． <br> The Steward is in the galley． <br> Close the hatches！ <br> The $M / V$＂Jacky＂is docking now． |
| :---: | :---: |
| Хрпоıиопоєє́отє то áp $\theta \rho o$ the ótav <br>  үıa סعútepn $甲$ opá． | A large tanker dropped anchor outside the port． A launch was sent to the tanker．The launch carried the Port Captain and the Chief Engineer of the Company． |
| Mn xpnoнопоєє́tє áp日po（No article） <br>  <br>  <br> Mn xрпонопоєítє áp日po（No article） $\mu п \rho о \sigma t a ́ ~ \sigma \varepsilon ~ к u ́ \rho ı \alpha ~ o v o ́ \mu a t a ~ o ́ n \omega s: ~ G e o r g e, ~$ Mary，Athens，Paris； | Ferry－boats are my favourite vessels，but I like yachts very much，too． <br> Cargo is loaded on board in various ways． Safety of cargo and passengers is the main responsibility of the Master． <br> John is an electrician． He lives in London． |
|  <br>  ouøıaбтıкó бtov عvikó． <br>  （possessive）ń щıа $\delta \varepsilon ı п п к и ́ ~$ （demonstrative）avt（wvuría． | He sails a Laser． <br> I sailed the Fin． <br> I have a beautiful cris－craft（＝speedboat）． <br> I let him sail my Dragon． <br> I don＇t like this boat；I＇ll have that one over there． |

## Notes：

$\qquad$
$\qquad$
$\qquad$

## PRACTICE (Unit 30).

Exercises.

## (30.1) Put in a or an:

1. The Amazon is $\qquad$ river.
2. The Captain is $\qquad$ honest man.
3. Jupiter is $\qquad$ very big planet.
4. The $\mathrm{S} / \mathrm{S}$ "Kendavros" is $\qquad$ old ship.
5. The deckhands will finish the job in $\qquad$ hour.
6. Tennis is $\qquad$ very boring game.
7. As soon as they went ashore they looked for $\qquad$ hotel.
8. «Lord Jim» is $\qquad$ interesting book.
9. $\qquad$ window opened and $\qquad$ man looked at me.

| 1. The Mate wants to ask you |  | English |
| :--- | :--- | :--- |
| 2. John, the greaser, can't sail |  | yard |
| 3. The passenger is reading | a | question |
| 4. Michael never wears | an | spanner |
| 5. The company bought | $(-)$ | overalls |
| 6. The hotel had |  | old ship |
| 7. The Captain must learn better |  | boat |
| 8. He asked for |  | interesting magazine |

(30.2) Write sentences as in the example. Use $a$, an where necessary:

## Example:

The mate wants to ask you a question
1.
2. $\qquad$
3.
4.
5. $\qquad$
6. $\qquad$
7.
(30.3) Put in the correct article (a, an, the) where necessary :

1. We need $\qquad$ extra lookout during $\qquad$ channel crossing.
2. $\qquad$ $\log$ (or $\qquad$ log-book) is $\qquad$ book in which $\qquad$ deck officer of $\qquad$ watch records $\qquad$ events that take place during his term of duty, e.g. $\qquad$ speed of $\qquad$ vessel, her position, $\qquad$ weather and other events connected with $\qquad$ sailing of $\qquad$ vessel.
3. $\qquad$ $\log$ is $\qquad$ apparatus for measuring $\qquad$ speed of $\qquad$ ship, but it is also $\qquad$ piece of $\qquad$ treetrunk which we usually burn in $\qquad$ fire place to keep $\qquad$ house warm.
(30.4) Put in the correct article where necessary:
$\qquad$ small tanker sailed into $\qquad$ dense fog outside $\qquad$ port of $\qquad$ Narvik $\qquad$ other day. Because of
$\qquad$ fog she collided with $\qquad$ general cargo carrier. She got $\qquad$ hole in $\qquad$ starboard bow under $\qquad$ water line.

As $\qquad$ result $\qquad$ forward hold rapidly filled with $\qquad$ water so that $\qquad$ vessel could not continue on her course. $\qquad$ Captain ordered $\qquad$ Second Officer to send $\qquad$ distress call and ask for $\qquad$ tug boat assistance.
Half $\qquad$ hour later, two tugs arrived and towed $\qquad$ ship into Narvik. Luckily, there was no panic among crew and they all landed safely. *

## (30.5) Put back the missing articles in the following story:

In $\qquad$ evening, $\qquad$ Captain wrote in $\qquad$ ship's log-book: " $\qquad$ Mate was drunk today." After sobering up, $\qquad$ Mate went to $\qquad$ Captain to ask him to strike out $\qquad$ his entry.
$\qquad$ first time in my life th
"In this $\log$ we write only $\qquad$ truth," __ Captain said.
$\qquad$ next day it was $\qquad$ Mate's turn to keep $\qquad$ log-book and he wrote in it: " $\qquad$ Captain was sober today!" *


## (30.6) Rewrite the following replacing the 14 missing articles (a, an, the) in the texts below. Underline the articles used:

1. There are basically three kinds of boats: sailing, rowing and power boats. sailing boat uses sails for her propulsion, rowing boat oars and power boat engine.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
2. scull is short, light oar that we use at stern of boat.
$\qquad$
3. engine of power boat may be inboard or outboard motor, depending on position of motor on boat.
$\qquad$
$\qquad$
$\qquad$



## API@MHTIKA.

## 1. Aло́дvtoı жаı тажтıжoí $\alpha \varrho \iota \theta \mu o i ́ . ~$

| Áðüëõôî éáñề̀ ì iß <br> Cardinal Numbers | Ôáêô̂̂̂ïi ßáñêì ì ß Ordinal Numbers | Đñī óï 〒̣ óôçí <br> Ï ñèì ãñáöf(!) |
| :---: | :---: | :---: |
| (1) one | $1^{\text {st }}$ first | first |
| (2) two | $2^{\text {nd }}$ second | second |
| (3) three | $3{ }^{\text {rd }}$ third | third |
| (4) four | $4^{\text {th }}$ fourth | fourth |
| (5) five | $5^{\text {th }}$ fifth | fifth |
| (6) six | $6^{\text {th }}$ sixth |  |
| (7) seven | $7^{\text {th }}$ seventh |  |
| (8) eight | $8^{\text {th }}$ eighth | eighth |
| (9) nine | $9^{\text {th }}$ ninth | ninth |
| (10) ten | $10^{\text {th }}$ tenth |  |
| (11) eleven | $11^{\text {th }}$ eleventh |  |
| (12) twelve | $12^{\text {th }}$ twelfth | twelfth |
| (13) thirteen | $13^{\text {th }}$ thirteenth |  |
| (14) fourteen | $14^{\text {th }}$ fourteenth | fourteenth |
| (15) fifteen | $15^{\text {th }}$ fifteenth |  |
| (16) sixteen | $16^{\text {th }}$ sixteenth |  |
| (17) seventeen | $17^{\text {th }}$ seventeenth |  |
| (18) eighteen | $18^{\text {th }}$ eighteenth |  |
| (19) nineteen | $19^{\text {th }}$ nineteenth |  |
| (20) twenty | $20^{\text {th }}$ twentieth | twentieth |
| (21) twenty-one | $21^{\text {st }}$ twenty-first | twenty-first |
| (22) twenty-two | $22^{\text {nd }}$ twenty-second | twenty-second |


| (23) twenty-three | $23^{\text {rd }}$ | twenty-third | twenty-third |
| :--- | :--- | :--- | :--- |
| (24) twenty-four | $24^{\text {th }}$ | twenty-fourth |  |
| (25) twenty-five | $25^{\text {th }}$ | twenty-fifth |  |
| (30) thirty | $30^{\text {th }}$ | thirtieth | fortieth |
| (40) forty | $40^{\text {th }}$ | fortieth |  |
| (50) fifty | $50^{\text {th }}$ | fiftieth |  |
| (60) sixty | $60^{\text {th }}$ | sixtieth |  |
| (70) seventy | $70^{\text {th }}$ | seventieth |  |
| (80) eighty | $80^{\text {th }}$ | eightieth |  |
| (90) ninety | $90^{\text {th }}$ | ninetieth |  |
| (100) one hundred | $100^{\text {th }}$ hundredth |  |  |
| (1,000) one thousand | $1000^{\text {th }}$ thousandth |  |  |

## 

## MATHEMATICAL TERMS

## addition

[+] $2+8=10$ (two plus eight is ten)
subtraction
[-] 5-1 = 4 (five minus one is four)

## multiplication

[x] $2 \times 6=12$ (two times six is twelve)

## division

$[\div] \quad 10 \div 2=5$ (ten by two is five]

## FRACTIONS

$1 / 2 \quad$ a half ń one half (a $\lambda \lambda$ á: half an hour)
$1 / 4$ a quarter $n$ one quarter (a quarter of an hour)
$1 / 3$ one third
Y three quarters (three quarters of an hour)
$1 / 8$ an eighth ń one eighth
$11 / 2 \quad$ one and a half (a $\lambda \lambda$ á: one and a half hours)
DECIMAL POINT ( $\triangle \varepsilon к а \delta ı к о ́) ~) ~$

2.1 two point one
71.2 seventy-one point two
312.07 Three hundred and twelve point zero seven

## 


What's the date (today)? It's the twenty second.
It's eight o'clock
1998: one thousand nine hundred and ninety-eight
P nineteen hundred and ninety-eight
P nineteen ninety-eight P ninety-eight
(UK) 31.11.98 D 31 ${ }^{\text {st }}$ October 1998
D (The) thirty-first (of) October nineteen ninety-eight
(US) 11.31.03 October $31^{\text {st }} 2003$ (October the thirty-first two thousand and three)
p October (the) $31^{\text {st }} 2003$

## 4. Ниє́@гร.



## 5. ${ }^{\prime}$ @ $\alpha$.

TIME Eó́tŋoŋ $\gamma \iota \alpha \tau \eta v$ ต́@
What time is it? / What's the time?
12.00 twelve o' clock
12.15 (a) quarter past twelve* (twelve fifteen)**
12.30 half past twelve*(twelve thirty)**
12.45 a) quarter to one*(twelve forty-five)**
12.46 forty-six minutes to one* (yıa ta عvסıáuعба aпó та пعvtádeпाтa)

SPECIAL SERVICE TIME
18.00 eighteen hundred hours
03.00 oh three hundred hours

** $\lambda$ éүยtaı $\Psi$ п甲ıаки́ (digital time)

## 

Seasons - Months (Northern Hemisphere).

| Winter | Spring | Summer | Autumn (US Fall) |
| :--- | :--- | :--- | :--- |
| December | March | June | September |
| January | April | July | October |
| February | May | August | November |

Notes.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
PRACTICE (Unit 31).
Exercises.

## (31.1) Write in words:

## Example:

333 three hundred and thirty-three....

1. 86
2. 103
3. 257
4. 642
5. 1,091
6. 2,608
7. 51,987
8. 140,002
9. 2,302,071
10. $20,000,000$ $\qquad$

## (31.2) Write in words:

## Example:

09/ 12/ 1977 = 9th Dec. $1977=$ the ninth of December nineteen ninety-seven

1. $25 / 03 / 1821$
2. $28 / 10 / 1940$
3. 02/06/ 1948
4. $01 / 01 / 2000$
5. 23/06/ 1999
6. 31/ 11/ 1647
7. 04/07/2003
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## (31.3) Write in words:

## Example:

1st $\qquad$

1. 2nd
2. 3rd $\qquad$
3. 4th $\qquad$
4. 9th
5. 22nd
.................................
6. 52 nd $\qquad$
7. 98th $\qquad$
(31.4) Write the time in words:
a. Digital (e.g. $02.13=$ two-thirteen)
8. 03.16 $\qquad$
9. 04.35
10. 12.30
11. 15.40
12. 20.53
b. Analogue (e.g. $02.10=$ ten past two)
13. 05.15
14. 06.20
15. 07.30
16. 08.45
17. 09.50
18. 10.00
19. 14.50
20. 22.35

(31.5) Answer these questions. They refer to the Northern Hemisphere:
21. Which months are there in Spring? $\qquad$
22. Which months belong to Winter?
23. Which months does Summer have? $\qquad$
24. Which months make up Autumn?
(31.6) Today is Sunday. Say what:
25. It was yesterday. It was
26. It was the day before yesterday. It $\qquad$
27. It was three days ago. It $\qquad$
28. It will be tomorrow. It $\qquad$
29. It will be the day after tomorrow. It
30. It will be three days after today. It $\qquad$


## Adjectives: <br> Quantitative (some, any, no, much, many etc.)

## ПOГOTIKA EII@ETA.

## 

| Some <br>  <br>  прота́бєıs, каӨढ́s каı оє aıtńцата каı пробфоре́s пои үívovtaı oav eрюúñeıs. | The $s / s$ "Krystia" loaded some tea and some bananas. <br> Would like some coffee? <br> Could I have some help with mooring? |
| :---: | :---: |
| any <br>  apıӨци́бıца ouđıaбтıќ $\sigma \varepsilon$ apvntıкés протáбєıs, каӨढ́s каı $\mu \varepsilon$ єрютппиапкє́s протáбєıs. <br> - H $\mu$ ктатропи́ Not any = no каӨıбá то ри́иа катаратıко́. | I didn't see any tanker(s) in the harbour. <br> He hasn't sailed any type of sailing boats. <br> Did they give you any information about the tide? <br> She hasn't got any luggage <br> She's got no luggage. She's travelling light. |
| A lot of/ lots of <br>  <br>  кирí́ws прота́беıs. | There's a lot of traffic in the harbour today. <br> There are a lot of passengers on the main deck. Lots of cadets never do make it to sea. |
| Much <br>  очбıабıка́ бє apvnпке́s прота́бєıs, каӨஸ́s каı єрштпиатıке́s прота́бєıs. | We haven't got much luggage on board. The steward says there isn't much coffee. How much sugar do we need for the voyage? |
| many <br>  ouøıабтıка́ бє apvnпке́s протáбєıs, каӨळ́s каı єршinuatıке́s протáбєıs. | The steward has got too many suitcases to carry. There weren't many cartons in hold 1. How many passengers can the ferry carry? |
| many <br>  протáoes Yvǿuns. | Many people prefer travelling by ship to travelling by aeroplane. <br> In many cases accidents are due to human error. |


| Пробє́§тє！ <br> －To a lot／lots of عívaı пı бuvnӨıбце́vо aпо́ то much／many $\mu \varepsilon$ tis катафапкє́s прота́бєıs． <br> －Мпореі́ $\omega \sigma$ о́бо va хрпощопоıє́́tаı каı бє apvntıкés каı єрштпиатıкє́s протáбєıs． <br> －To lots of xрпбıиопоєє́taı кирíms бтnv каӨоцıдоицє́vn каı прочорıки́ Аүүдıки́． | There were a lot of people on board． <br> A lot of the cargo was dangerous． <br> Were there a lot of people on board？ <br> A lot of the cargo was not dangerous． <br> ＂Was the cruise any good？＂ <br> ＂Oh yes．We met lots of nice people，and we saw lots of interesting places． |
| :---: | :---: |
| All of <br>  <br>  $\mu \varepsilon \mu \mathrm{n}$ арı $\theta \mu$ и́бıца． | All of the ships belonging to Ona Shipping are called＇Olympics＇． <br> of is sometimes omitted，eg． <br> I wouldn＇t tell you for all the tea in China． |
| A few <br> －Xрпонопоı́íta $\mu$ е арı日ии́бıиа каı єк甲рá\}єı $\boldsymbol{\theta \varepsilon t ı к и ́ ~ o t a ́ o n . ~}$ <br> A little <br> －Xрпонопоьєítaı $\mu \varepsilon$ ип арıөиńбıиа каı <br>  | He＇s not lonely．He＇s got a few friends on board． <br> I still have a little hope about the ship being safe． |
| Few <br>  モкчрáไعı apvntıkń otáon． <br> Little <br>  <br>  | Few captains would accept this terrible vessel． <br> She has little money．It＇s not enough to go out． There＇s little chance of thembeing rescued in this weather． |

## Notes：

$\qquad$
$\qquad$
$\qquad$
$\qquad$

## PRACTICE（Unit 32）．

## Exercises．

## （32．1）Put in some，any，no，one，many．

1．On $\qquad$ very large liners there can be as $\qquad$ as seven navigating officers．
2. A fisherman is $\qquad$ who fishes for sport or to make his living.
3. $\qquad$ fish will bite unless there is $\qquad$ attractive bait on the hook.
4. The Mate reported that he did not encounter $\qquad$ problems during his watch.
5. The notice says that $\qquad$ luggage is allowed in the lounge. Don't leave it here.
6. There are almost $\qquad$ offshore islands round Crete.

## (32.2) Put the following adjectives in the blanks. Use each once only.

A large amount, a lot of, few, no, many, all

1. Everybody liked the oranges, so there weren't $\qquad$ left.
2. $\qquad$ passengers travel by cargo liners nowadays.
3. $\qquad$ of money is needed to operate a shipping fleet.
4. ............................. passengers are allowed down in the engine room.
5. $\qquad$ money on board should be kept in a safe place.
6. $\qquad$ passengers decided to have whisky, so there wasn't enough to go round.
(32.3) Put in lots of, a few, much, little, a little.
7. We have $\qquad$ fuel left. Let's make for the nearest bunker station.
8. There isn't $\qquad$ time left. Hurry up with these pairs!
9. There are $\qquad$ offshore islands in the Ionian Sea.
10. There are only $\qquad$ problems left to settle before we sail.
11. It's $\qquad$ difficult but we'll manage.
(32.4) Put in: someone, anyone, no one, something, anything, nothing, somewhere, anywhere, nowhere.
12. There is $\qquad$ here to see you, sir. Shall is ask him in.
13. I'm sorry, sir. The pump is beyond repair. There is $\qquad$ we can do.
14. I checked very carefully sir. There wasn't $\qquad$ in the radio room. Perhaps those voices came from
$\qquad$ else.
15. $\qquad$ has called so far. Shall I wait any longer?
16. Can I give you $\qquad$ ? Let me know if you need $\qquad$
17. (At port) Are you going $\qquad$ tonight? No, $\qquad$ I'm watchman tonight.



## ЕПIఆЕТА




－It＇s a fast／big／slow vessel．The vessel is large and long．
－He is a helpful steward．（What kind of steward is he？）
－He is a reckless navigator．

1．$\Sigma \chi \eta \mu \alpha \tau \iota \sigma \mu$ о́ л л $\varrho \alpha \theta \varepsilon \tau \iota \varkappa \dot{v}$ ．

| Túnos | （Positive） <br> Өqtıós | （Comparative） <br> ¿иүкрітко́s | （Superlative） <br> ҮперӨعтіко́s |
| :---: | :---: | :---: | :---: |
| －EníӨcta uıas бu入入aßńs： | short <br> new <br> fit <br> great <br> gay <br> dry <br> quiet <br> nice | short－er than <br> new－er <br> fit－ter <br> great－er <br> gay－er <br> dr－i－er <br> quiet <br> nicer | the short－est <br> new－est <br> fit－test <br> great－est <br> gay－est <br> dr－i－est <br> quiet <br> nicest |
| －Под入á סıớ $\lambda \lambda a \beta a$ oxnuatíZouv uóva toús $\beta a \theta \mu o$ ús tous： | clever <br> stupid | clever－er than stupid－er | the clever－est stupid－est |
| －ÀA入a סúo би入入аßб́v перıчраттиа́： | clever <br> confused | more clever than | the most clever |


| －EníӨ $\tau$ та перıбоотє́р $\omega$ v бu入入aßढ́v перıчрабтика́： | moderate <br> precipitous <br> beautiful | moderate precipitous more confused than beautiful | moderate precipitous the most confused beautiful |
| :---: | :---: | :---: | :---: |
| －$\Delta$ úo <br> бид入аßढ́v $\mu \varepsilon$ катá入n§n－y： | cloudy <br> windy <br> fun－ny | cloud－i－er <br> wind－i－er than fun－n－i－er | thecloud－i－est <br> wind－i－est <br> fun－n－i－est |
| －Avต́ $\mu \mathrm{a} \lambda \mathrm{a}$ $\varepsilon п i ́ \theta \varepsilon т а: ~$ | much <br> little <br> many <br> few <br> good <br> bad <br> far <br> old | more <br> less <br> more <br> fewer than <br> better <br> worse <br> farther／further <br> older／elder |  most <br> least  <br> the most <br> fewest  <br> best  <br> worst  <br> farthest／furthest  <br> oldest／eldest  |

## 

| Use | Examples |
| :---: | :---: |
| －as ．．．as yıa то $\theta$ ¢пко́ $\beta$ a $\theta$ ¢ó | Today is as windy as it was yesterday． <br> This yacht is as expensive as the Queen＇s． |
| －（not as／so ．．．as）yia us <br>  $\beta a \theta$ иои́ | Italy is not so／as sunny as Greece， （ i．e．Greece is sunnier） |
|  عпíӨzто үıа оиүкрí́єıs $\theta \varepsilon$ тıкои́ ßa日цои́ | The tanker is bigger than the bulk carrier． <br> The Mate is more intelligent than the Captain． |
| －Much＋comparative xрпоџиопов́́бє то үı <br>  | The Mate is much younger than the Captain． <br> The T／S＂KIRKI＂is much more beautiful than the $M / V$ ＂KALYPSO＂． |


| - The xpnoqionoıé́tal yıa <br>  $\mu \varepsilon 九$ т́ то $\varepsilon$ пí $\theta$ тт. | This is the biggest container ship in the world She is the most expensive tanker in his fleet. |
| :---: | :---: |

П@обохи́ !


## Notes:

$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 33).

## Exercises.

## (33.1) Put the adjectives in the comparative degree.

1. Sailing on a JOYBOAT cruise is simply (great) $\qquad$ fun than sailing on the regular liner.
2. Look at the masts of the T/S "Hellas". The foremast is (high) $\qquad$ than the bowsprit.
3. The mizzen-mast is (low) $\qquad$ than the foremast.
4. J. Konrad's "Lord Jim" is a (good) $\qquad$ book than "Mutiny on the Bounty".
5. The "Queen Christina" is (beautiful) $\qquad$ than the "Princess Grace".
6. The tanker berthed alongside the quay is big, but the tanker entering port is (big) $\qquad$ .
7. Nuclear submarines are (wide) $\qquad$ than conventional submarines.
8. "I'm sorry, there is (little) $\qquad$ stew left than I thought," said the steward.
(33.2) Put the adjectives in the superlative degree.
9. The mainmast is the (high) $\qquad$ mast on a sailing ship.
10. Near the Cape Good Hope you may come across the (bad) $\qquad$ possible weather.
11. The "Atlantic Queen" may be the (expensive) $\qquad$ cruising ship in the world.
12. Scotland has about the (wet) $\qquad$ weather in the U.K.
13. This is the (little) $\qquad$ expensive hotel on the island.
14. After being salvaged, the "Nies" was pronounced as the (lucky) $\qquad$ vessel ever.

## (33.3) Put the right adjectives in the positive degree:

difficult, long, slow, fast, tough

1. Travelling by ship is not so $\qquad$ as travelling by bus.
2. Being an engineer on board a ship may be as $\qquad$ a job as any.
3. The "Panayia Tinos" is as $\qquad$ as the "Afaia", they arrive at Mykonos together.
4. The Nile is not as $\qquad$ as the Amazon.
5. Tug boats have as $\qquad$ engines as possible to be able to tow much larger boats.


## ЕПІӨЕТА




－It＇s a fast／lbig／slow vessel．The vessel is large and long．
－He is a helpfull steward．（What kind of steward is he？）
－He is a reckless navigator．



| Túnos | （Positive） <br> Өqtıós | （Comparative） <br> ¿иүкрітко́s | （Superlative） <br> ҮперӨعтіко́s |
| :---: | :---: | :---: | :---: |
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| －По入入á סıó̀ $\lambda \lambda a \beta a$ oxnuatí̧ouv $\mu$ óva toús $\beta$ a $\mu$ нoús tous： | clever stupid | clever－er than stupid－er | the clever－est stupid－est |
| －A A $\lambda \lambda a$ ס би入入аßढ́v періррабтка́： | clever <br> confused | more clever than | the most clever |


| －EníӨとта перıбботє́р $\omega \mathrm{v}$ би入入аßढ́v перıррабтка́： | moderate <br> precipitous <br> beautiful | moderate precipitous more confused than beautiful | moderate precipitous the most confused beautiful |
| :---: | :---: | :---: | :---: |
| －$\Delta$ úo <br> би入入аßб́v $\mu \varepsilon$ катá入nそn－y： | cloudy <br> windy <br> fun－ny | cloud－i－er <br> wind－i－er than <br> fun－n－i－er | cloud－i－est <br> the wind－i－est fun－n－i－est |
| －Avต́ua入a $\varepsilon$ عா́Өята： | much <br> little <br> many <br> few <br> good <br> bad <br> far <br> old | more <br> less <br> more <br> fewer than <br> better <br> worse <br> farther／further <br> older／elder | most <br> least <br> most <br> the fewest <br> best <br> worst <br> farthest／furthest <br> oldest／eldest |

## 

| Use | Examples |
| :---: | :---: |
| －as ．．．as yıia to $\theta$ ¢tıкó $\beta$ a $\theta$ ¢ó | Today is as windy as it was yesterday． <br> This yacht is as expensive as the Queen＇s． |
| －（not as／so ．．．as）Yıa tıs apvntıкés бuүкрíбєıs $\theta \varepsilon$ сıкои́ $\beta a \theta$ нои́ | Italy is not so／as sunny as Greece， （ i．e．Greece is sunnier） |
| －than xpnণıиопоı́ítaı $\mu \varepsilon$ тá то <br>  $\beta$ а日иои́ | The tanker is bigger than the bulk carrier． <br> The Mate is more intelligent than the Captain． |
| －Much＋comparative xрпоциопоє́́бє то үіа <br>  | The Mate is much younger than the Captain． <br> The T／S＂KIRKI＂is much more beautiful than the $M / V$ ＂KALYPSO＂． |

- The xpnoıропоıítaı үıa
 $\mu \varepsilon t a ́ ~ t o ~ \varepsilon п i ́ \theta \varepsilon т о . ~$

This is the biggest container ship in the world.
She is the most expensive tanker in his fleet.

## П@обохи́!



## Notes:

$\qquad$
$\qquad$
$\qquad$

## Practice (Unit 33).

Exercises.
(33.1) Put the adjectives in the comparative degree.

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2. Look at the masts of the T/S "Hellas". The foremast is (high) $\qquad$ than the bowsprit.
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18. The Nile is not as $\qquad$ as the Amazon.
19. Tug boats have as $\qquad$ engines as possible to be able to tow much larger boats.


## EIIIPPHMATA.



- Ta тропика́ єпıри́́иata ouvń $\theta \omega s$ oxnuatí̧ovaa:
adjective + -ly

"how".

 oav єппр и́иата.
- Ta eпıро́́иata xpnoııoпоıoúvtaı yıa va пробठıóíZouv $\rho$ ńuata.

 пра́үиата үıа то عпíӨєто.
- Ta toпıкá عпıрри́цата aпavtoúv otnv є $\rho$ б́tnon where?
examples:
here, there, on the left, on the right in the harbour, on the sea, abroad, in Greece, everywhere, at home
- Ta єпıрри́иата єкрра́そouv xpóvo.

Апаvtoúv ounv $\varepsilon \rho \omega ́ \mathrm{tnon}$ when?.'Опшs:
Today, tomorrow, yesterday, every day, soon, never, yet, always, last month, etc.

- Ta єпıрри́цата عкррáZouv ouxvótnta.
- Pwioúv how often?
careful-ly, wise-ly, calm-ly,
áëëÜ angry - angr-i-ly

How does that vessel sail?
The vessel sails quickly. fast, hard, very, well
He speaks English well.
Seamen have to work hard.

Officers must navigate carefully.
Some seamen are very tough.
Seamen's wives aren't really happy.
The Captain was extremely angry with me.
The Captain's on the bridge.
Where is the vessel?
It's in the harbour.

When did the "Brigitte" sail?
The $S / S$ BRIGITTE sailed yesterday.
The $M / V$ PETROS will sail tomorrow.
The F/B STAVROULA sails to Poros every day. She always arrives on time.
The $C / S E L E N I$ is due here next month.

The $T / S$ KIRKI always sails on time.

a. Мпробтá апо́ то ки́рıо ри́иа عктós aпó to pńua to be).
$\beta$. Гia đúv $\theta \varepsilon$ tous túnous $\rho$ nuát $\omega \mathrm{v} \mu \varepsilon$ á to прб́то ßопӨntıко́.

## 

 The crew worked very hard on deck yesterday.

The ship sailed into harbour too fast last night.
 The ship set sail at $\mathbf{0 8 . 0 0}$ in the morning yesterday.
 The food smells nice and tastes wonderful.
She looks beautiful but I know she feels terrible.

## Notes:

$\qquad$
$\qquad$

## PRACTICE (Unit 34).

## Exercises.

(34.1) Find the words in the Glossary:

(34.2) Now match the words in the columns to write orders/commands as in the example:

## Example:

Send the rope quickly.

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. 

(34.3) Put always, never, sometimes to complete the following:

## Example:

Cars have the engine in the back.(sometimes).
Cars sometimes have the engine in the back

1. Air-cooled engines have had water jackets around their cylinders.(never)
2. It is best to book your passage on a passenger ship well in advance.(always)
3. At sea hesitate to offer help! (never)
4. Cross-Channel ferries have high-powered engines to maintain a speed of 20 knots in all kinds of weather.(always)
$\qquad$
5. The Bosun visits the library of the ship (rarely)
6. The two deck-hands play trictrac [=tavli, backgammon] in their free time (usually)
7. The Chief Engineer works on the lathe himself (sometimes)
(34.4) Put in: orally, automatically, often, usually, freely, curiously, widely, seldom, always.
8. A valve opens $\qquad$ when steam or other pressure becomes too high.
9. Diesel engines are $\qquad$ accepted for heavy duty.
10. Describe ............... how the can follower is connected to the rocker arm.
11. Make sure the coolant can flow $\qquad$
12. The captain looked at him $\qquad$
13. Aircrafts are $\qquad$ powered with internal combustion engines nowadays.
14. Nowadays there are $\qquad$ many different kinds of engineers working in large projects.
15. Engine valves are $\qquad$ opened by means of cams.
16. Ships must $\qquad$ turn on their lights in the evening.


## Exercises.

(35.1) Choose the correct answer:

1. $\qquad$ largest type of cargo ship is the tanker.
A. a
B. an
C. the
2. An expansion tank allows $\qquad$ oil to expand in hot weather.
A. a
B. an
C. the
3. It's a basic machine consisting of a wheel that rotates on $\qquad$ shaft.
A. a
B. an
C. the
4. Plastics are available in $\qquad$ forms.
A. many
B. little
C. much
5. $\qquad$ of cargo ships carry passengers.
A. A lot of
B. A few
C. Some
6. There wasn't $\qquad$ time before sailing so the passengers went on board immediately.
A. a little
B. many
C. much
7. $\qquad$ passengers were on the promenade deck. It was very cold.
A. Many of
B. A few
C. Few
8. $\qquad$ passenger liners operating in the Aegean have to cover profitable and unprofitable routes.
A. All
B. A lot
C. Some of
9. Nuclear submarines stay much longer under the water $\qquad$ conventional submarines.
A. from
B. as
C. than

## (35.2) Choose the right answer:

1. Look at the Bosun! He is working $\qquad$ . .
A. busy
B. busily
C. sleeping
2. The "Cat 1 " is the $\qquad$ liner I have seen.
A. fastest
B. most fastest
C. faster
3. The G.O. sent the signal urgently yesterday morning $\qquad$
A. in June
B. on 21st June
C. at 07.30
4. February is the shortest month $\qquad$ the year.
A. from
B. in
C. of
5. Engine valves are $\qquad$ opened by means of cams.
A. usually
B. almost
C. fast
6. Fixed solar collectors are used $\qquad$ than other types.
A. most
B. more
C. best


 of them（of＝$=\alpha$ бó）

## TIME（X＠ovıหモ́ऽ П＠o日と́бعıऽ）

in

seasons（in winter），
years（in 2002），
centuries（in the 19th century），
periods of time（in five minutes，in a fortnight，in fifty years）
－$\Gamma \downarrow \alpha \mu \varepsilon ́ \varrho o s ~ \tau \eta \varsigma ~ \eta \mu \varepsilon ́ \varrho \alpha s$
in the morning，in the afternoon
in the evening，in the night（but：at night）
at
－Гı $\alpha$ ض́عऽ，$\omega \varrho \varepsilon \varsigma ~ \varphi \alpha \gamma \eta \tau о и ́, ~ 火 \lambda \pi$.
at seven o＇clock，at lunch time
at noon（at 12.00 am. ），at midnight（at 12.00 pm ．）

at Easter
at Christmas
at the weekend

on
－Гıа $\eta \mu \varepsilon ́ \varrho \varepsilon \varsigma ~ r \alpha ı ~ \eta и \varepsilon \varrho о и \eta \nu i ́ \varepsilon \varsigma ~$
on Monday，on my birthday
on 20 July 2002 （the 20th of July 2002）
on Saturday morning，on a fine spring morning
on Friday evenings
on Christmas Eve，on Easter Sunday
during／throughout／over
－Гıa סıá＠zعıа
The Captain stayed on the bridge during the night．
It happened during his shift．
The mysterious lady remained in her cabin throughout the voyage．

Will you be at sea over the Christmas period?

## 

## in

- Гı $\alpha$ үعทıжó то́ло
in Piraeus
in Greece

in the room
in my pocket $\alpha \lambda \lambda \alpha \alpha^{x} \alpha \iota$
in the sky, in the air $火 \lambda \pi$.
at

at school, at the bus stop, at the airport $\alpha \lambda \pi$.
- Kovtá
at the door (e.g. There's someone at the door)
at the table (They were sitting at the table playing scrabble)
at table (I found the family at table - the were having supper.)
on

on the desk (He left his books on the desk)
on the table (The tools were on the table)
on an island (They spent their holidays on Milos)
on the page (The picture of the tanker is on page 67.)
- Гعињо́tを@ $\alpha$
on the ground, on the grass
on the ceiling, on the wall, on the door
(Have seen the notice on the notice board on the door of the officer's room?)


## inside/outside


We'll talk inside the office,
The jewels are inside the safe,
They have a military base inside the airport.
$\alpha \lambda \lambda \alpha ́ \varkappa \alpha l ~ \gamma ı \alpha ~ \chi \varrho o ́ v o: ~ T h e ~ t a n k e r ~ w i l l ~ c a l l ~ a t ~ A l e x a n d r i a ~ i n s i d e ~ t h e ~ h o u r . ~$

Please play outside the house ( $\alpha \lambda \lambda \alpha ́$ иáлov xovtó)
I've no time to chat, I'm calling from outside the country.
Why are there so many policemen outside the stadium?
over

A lamp hung over the door of the cabin

The lookout was wearing a large jacket over his sweater

The passengers came ashore over the gangway.

## 

## into/out of/onto

- Гıа xív $\quad \sigma \eta \pi \varrho о \varsigma ~ \tau \alpha ~ \mu \varepsilon ́ \sigma \alpha / \varepsilon ́ \xi \omega ~$

The Chief Engineer picked up the engine log and walked out of the engine room.
The Captain went into the dining room.
How does one get onto the awning-deck.
from...to

- Гıа 火ívŋoŋ $\alpha \pi o ́ ~ \varepsilon ́ v \alpha ~ \mu \varepsilon ́ \varrho o s ~ \sigma \varepsilon ~ \varepsilon ́ v \alpha ~ \alpha ́ \lambda \lambda o . ~$

The tanker sailed from Cape Town to Hong Kong.

## along/across


They sailed along the coast trying to find a suitable bay to moor.
Big ocean liners used to sail across the Atlantic until a few years ago.

## against/towards


The ladder was leaning against the wall.
The goalkeeper kicked the ball towards the opponent territory.
The AB walked hastily towards the poop.
(a)round

The earth goes round the sun.
All the officers were sitting round the dinner table.
The passenger had to go all round the saloon to get to the gangway.
for

That night the ship set sail for Port Said.

## through


As the oil passes through the filter a lot of dirt is taken out.
The drill pierced right through the wood.
The bird flew in through the open porthole.

## up/down


The explorer sailed up the river to find its source.
He drove down the street towards the harbour.
The group decided to take a trip up the Bosphorus.
The Mate drove up the road until he got to the park.

## PRACTICE (Unit 36).

## Exercises.

(36.1) Put in the correct time preposition (at, in, on, during).

1. The T/S "Ariadni" was built $\qquad$ 1990.
2. The vessel entered port $\qquad$ Monday.
3. The M/S "Kirki "sails $\qquad$ 6:00 every morning.
4. The new Captain will join the crew $\qquad$ 1st May.
5. The M/V "Theseus" will be launched $\qquad$ April.
6. $\qquad$ the repairs the crew often went ashore on excursions.
7. The engine was overhauled $\qquad$ Spring last year.
(36.2) Put in the correct time preposition (at, in, on, throughout, over).
8. It is not dangerous to navigate a ship $\qquad$ night.
9. The ship will drop anchor $\qquad$ noon but the passengers will go ashore in the evening and return on board $\qquad$ midnight.
10. $\qquad$ the afternoon the passengers are usually on the promenade deck.
11. The helmsman stayed by the wheel $\qquad$ his shift.
12. "Good night. I'll see you $\qquad$ the morning."
13. The Captain promised that he would be at home $\qquad$ Christmas
14. [The] Helicopter will arrive $\qquad$ UTC .....
15. Will you be home $\qquad$ the Easter vacation.
16. We expect Vangeli home $\qquad$ Easter.
(36.3) Put in the correct location preposition.
a: (on, in, at, inside, outside, next to/close to/beside, over, of)
17. Where is the sextant? It's $\qquad$ my cabin.
18. Don't put combustibles $\qquad$ the incinerator.
19. The tall sailor was $\qquad$ the door your cabin.
20. Are you going ashore $\qquad$ the next port of call?
21. You'll find the Purser $\qquad$ the awning deck.
22. I can see someone $\qquad$ the boathouse; ask him to come out.
23. I'm not under command $\qquad$ position.
24. He is $\qquad$ the jetty waiting for the ship.
b: (on, in, at, up, onto, between, under/below, over/above, behind, in front of)
25. The towboat is $\qquad$ the ferry boat.
26. Look! Some seagulls are flying $\qquad$ the ship !
27. There is a general cargo carrier docked $\qquad$ the little tanker and the OBO.
28. You can't see the ferry because it's $\qquad$ the container ship.
29. Be careful! The cat is sleeping $\qquad$ the table.
30. Oars rest $\qquad$ rowlocks.
31. The fast ferry will call $\qquad$ Genoa in 50 minutes.
32. I' m meeting some friends down $\qquad$ the beach. Like to come ?
33. He climbed $\qquad$ the stairs and got $\qquad$ the awning deck.
(36.4) Put in the correct direction preposition: to (3), into(2), out of, along, across, ahead, up, through, in, down:

## Example:

I can climb up the mast, but it's more difficult to climb down.

1. Drain the water $\qquad$ the intermediate bearing.
2. Be careful! Don't drop waste rags $\qquad$ the reduction gear.
3. The function of the device is to convert heat $\qquad$ mechanical energy.
4. The order "Midships" means, "Bring the wheel $\qquad$ the midships position."
5. The ship is swinging $\qquad$ starboard.
6. The current is setting the ship $\qquad$ port side.
7. Either the Phoenicians or the Greeks first sailed $\qquad$ the Atlantic.
8. "Vessel sailing $\qquad$ port, keep clear."
9. Now proceed $\qquad$ ice channel.
(36.5) Put in: against, from, to, into, around, towards, down, through.
10. The ship turned $\qquad$ to look for the man who had fallen overboard.
11. The Captain of the damaged cruiser set a collision course and steamed $\qquad$ the enemy destroyer.
12. The $\mathrm{S} / \mathrm{S}$ "NAIAS" is sailing $\qquad$ Piraeus $\qquad$ Santorini.
13. Strong winds in your position are expected $\qquad$ an eastern direction.
14. OK. Transfer person $\qquad$ my vessel by boat.
15. At present his ship is proceeding $\qquad$ Gibraltar.
16. The vacuum created by the piston, sucks $\qquad$ the petrol/air fuel mixture $\qquad$ the intake valve.
17. When the preparations were over the vessel got $\qquad$ fairway (navigable channel).



# Practice in Miscellaneous 

Prepositions
(37.6) Put in the correct preposition:

1. Where are you James? Here $\qquad$ in the hold, sir.
2. There are a lot of passengers $\qquad$ the promenade deck.
3. Now they are coming ashore $\qquad$ the gangway.
4. Some seagulls are flying $\qquad$ the sailing ship.
(37.7) Make sure you know the following words. If necessary use your dictionary. Then put the correct preposition in the blanks:
general cargo carrier loading operation tugboat/towboat

steamship $\qquad$ derrick cases



The day is fine. I'm going $\qquad$ a walk $\qquad$ the little port of Stylis to have a look $\qquad$ the ships. It is not a busy day but there are quite a few people $\qquad$ the quay watching a general cargo carrier. She is loading cargo. The derrick is turning $\qquad$ to load some heavy cases $\qquad$ the lorries $\qquad$ the deck. There are some officers watching the loading operation. $\qquad$ this moment I can see a tugboat towing a small steamship $\qquad$ her. *

[^0]


## 

## 1. Eı $\sigma \alpha \boldsymbol{\sigma} \boldsymbol{\gamma} \boldsymbol{q}^{\prime}$.





## 2. $\Sigma \chi \eta \mu \alpha \tau \iota \sigma \mu o ́ s$.



The crew returned to the harbour on foot.
The Captain visited the Sounion. He went by car.
When Thanos returned to the boat he found the other officers at work.
The pilot was on board.

The collision caused damage to the scull.

## 阝. Елíөєта $\mu \varepsilon \pi \varrho о \theta \varepsilon ́ \sigma \varepsilon ı ร: ~$

The Third Engineer was very good at fixing things on the lathe.
Why were you so angry with the Bosun.


When we arrive at Calais we go by train to Paris.
Nobody could tell the reason for his refusal.

After sailing for three hours we called at Santorini. (=visited)
The wireless operator switched/turned on the radio and listened on the international call and distress frequency for signals of vessels in distress. Then he switched off and went to bed.
The Captain ordered the engines to stand by.

## PRACTICE Unit (38).

Exercises.
(38.1) Put in the correct prepositional phrases in the blanks:
damage to, by sea, by air, by car, on foot, reason for, at work, at sea, on a voyage

1. It was a very long trip. We were $\qquad$ for ten days.
2. The yacht sailed $\qquad$ to the tropics.
3. Travelling $\qquad$ is safer compared to sea and land travel.
4. The accident was their fault so they paid for the $\qquad$ the bows.
5. The vessel was late but nobody knew the $\qquad$ the delay.
6. As it was raining I couldn’t walk. So I went to work $\qquad$ .
7. As the harbour was very near they returned $\qquad$ .
8. He decided to travel $\qquad$ because it was more pleasant to be on ship.
9. When he entered the workshop, he found everybody $\qquad$ -
(38.2) Put in the correct prepositional phrases in the blanks. Adjust the verb form:
```
switch on, switch off, stand by, turn on, turn off,
    go on board, arrive at, call at
```

1. The Coast Guard checked if the rescue boat crews were $\qquad$ .
2. It was getting dark so they $\qquad$ deck lighting.
3. After checking the hold he $\qquad$ hold lights.
4. It is warm and humid. Just $\qquad$ the ventilation.
5. The taxi drove as fast as possible, but when they $\qquad$ the harbour , they discovered that the ship had already set sail.
6. Bari was the first port of destination. They $\qquad$ it at six.
7. He put the workpiece on the chuck and $\qquad$ the lathe.
8. As soon as the liner docked, the waiting passengers $\qquad$ .
(38.3) Put in the correct prepositional phrases in the blanks:
arrival at, charge of, damage to, entrance to, interest in, notice to, provision for, way of
9. The Chief Engineer takes an $\qquad$ reading old cartoons.
10. There is $\qquad$ deck-class passengers on the "King Minos".
11. Did you see the afternoon $\qquad$ Mariners? There will be some interesting weather during the night.
12. Yes, I think the Captain will change course and sail by $\qquad$ Corinth Canal.
13. After the collision they found that there was a lot of $\qquad$ the hull.
14. They are building a new lighthouse at the $\qquad$ the harbour.
15. After their $\qquad$ the port of Spetses, they looked for a good hotel.
(38.4) Put in the correct prepositional phrases in the blanks:
good at, angry at, kind of, clever at, happy with, bad at, nice of, nice to
16. He said that it was $\qquad$ me to invite him.
17. I asked him not to be $\qquad$ her but to try to be $\qquad$ her.
18. As a pupil she was very $\qquad$ drawing. She couldn't even draw a daisy.
19. It was very $\qquad$ him to do it for me but I wasn't very $\qquad$ the result.
20. The teacher said that the cadet was very $\qquad$ Mathematics but he wasn't as
$\qquad$ Navigation.



## Connectives： <br> and，but，or（coordinating），because （subordinating）

## 




## Coordinating（Euvtoviotıkoí）

and（үعvкós очипдекєıко́s），
but（avııモпко́s：прооӨॄ́tєı кátı пои $\delta \varepsilon v$ avaцévetaı），
 عva入入актıи́ єпідоүи́）．
－Autoí oı oúvס́عouoı ouvס́zouv Zeuүápıa：
 рnиát $\omega \mathrm{v}$ ，$\varphi \rho$ áбє $\omega \mathrm{v}$ каı протáбє $\omega \mathrm{v}$（logical connectives）


## because

入óyo／aıía éүive，yívetaı ń Өa үíveı кátı．

The Mate likes football and basket．
The Chief Engineer is honest and clever．
The Captain gave his orders and went to bed．
The Bosun works quickly but accurately．
Not only the passengers but also the crew had to be examined．

We went to the agent early but we didn＇t find any tickets
You can go on foot or take the tram．

Because the weather was very bad the vessel did not sail．

The vessel stayed at port because there was no charter．

He resigned，not because he didn’t like the ship but because he disliked the captain．

## Notes：

$\qquad$
$\qquad$
$\qquad$

## PRACTICE Unit (39)

## Exercises.

(39.1) Put in the correct linking word (and, but, or, because).

1. Go to the expansion tank $\qquad$ check the water level.
2. The Captain has gone ashore $\qquad$ the Chief Officer is on board.
3. Overhaul the compressor periodically $\qquad$ inspect each part of the machine.
4. A cadet can train as a Deck Officer $\qquad$ an Engineer Officer.
5. The ship was old $\qquad$ in good condition.
6. Warships are designed for speed $\qquad$ manoeuvrability.
7. Multi-deck vessels have 'tween decks $\qquad$ these help stowage.
(39.2) Join the following pairs of sentences. Use and, but, or, because. The first one has been done for you.

## Example:

A vessel has a main engine.
A vessel has auxiliary machinery.
A vessel has a main engine and auxiliary machinery.

1. You can buy a centrifugal pump.

You can buy a gear-wheel pump. (Either will do very well).
$\qquad$
$\qquad$
2. Passenger liners have high superstructures

They need a large number of cabins.
$\qquad$
$\qquad$
3. Old cruise ships operate as hotels.

There is no business for them on cruises.
4. A passenger liner carries passengers.

A passenger liner carries cargo.
$\qquad$
5. A passenger liner can carry passengers.

A passenger liner cannot carry vehicles.
$\qquad$
6. A receiver can receive messages.

A receiver cannot send messages.


## Punctuation: <br> Apostrophe('), colon(:), comma(,), full stop/period (.), question mark(?), capitalization

## Aло́бт@орог - Apostrophe ('):




| - Апо́бтрочоs $\mu п а i ́ v \varepsilon ı ~ \mu \varepsilon ~ a v t \omega v u \mu i ́ \varepsilon s, ~ \mu \varepsilon ~$ ouđıaбтıка́, каı $\mu \varepsilon$ очүкєкониє́vous túпоus <br>  | -I'm, he's, They've, You'd, she'll etc. <br> -my sister's coming, the money's in the wallet etc. <br> -can't, shan't, won't, wouldn't, etc. |
| :---: | :---: |
| - Апо́ттоороs ипаívеı єпíons от үعvки́ <br>  | -the bosun's orders, the captain's cabin, -John's wife, the dog's food, the ship's articles, April fool's day, the cadets' uniforms, the cats' food, etc. |

## Av $\omega$ жá $\tau \omega \tau \varepsilon \lambda \varepsilon i ́ \alpha-\operatorname{colon}(:)$

 каı ta $\lambda \varepsilon п t a ́$.
 пара́ $\delta \varepsilon ı ү \mu а$.

What time is it? It's 9:00
There are two types of ships: commercial ships and war ships

## Ко́цца - comma (,)





- Гعviкá үıa va סعí̧oune $\mu$ кки́ паúon. Metá aпó Yes каı No.
 каı ta but, too

The watch Engineer was very tired, so he went to bed.

After arriving, he went to rest.
Did you see the super tanker? Yes, I did It was late, but he telephoned.

There was a strong wind, and it rained.
I saw the movie, too.

## Tedeía－Full stop（．）

－Oı протáбєıs ката入ńyouv oع tєגєíعs．$\quad$ The Chief Engineer is in the library．


He is reading about a new turbo changer．
He was working hard．There was nothing else to do．

## Е＠штๆцатьхо́－Question mark（？）

 пои ката入ńyouv oє єрютпиатıко́）．

Keqà $\alpha i ́ \alpha-$ Capitals．

－Mпробtá ota кúpia ovóuata．
－Xढ́pєs，єпíӨєta $\varepsilon \theta$ vıкótntas，пóдєıs， үє $\omega ү \rho а$ міка́ кдп．
－Títiol．
－Mńves，$\mu$ épes，عoptés．
－Tرńиata oпоuठб́v．
－Ovóuata пגoí $\omega v$.
 биүкєкрıцモ́va про́бшпа．

What＇s the matter with the valve？
Who＇s next watch？ Is this the Captain？

Last year we spent a few days $\qquad$
John，Mary，Mr．Apostolis
Egypt，Egyptian，the United States， Mt．Imitos，Lake Prespa

Mr，Mrs，Doctor，Professor，Master
June，Monday，Easter
Physics，Literature
M／V Panayia，S／S Dilos
the Captain，the Mate（of my ship）

Notes．
$\qquad$
$\qquad$

PRACTICE（Unit 40）．
Exercises．
（40．1）Rewrite and punctuate the sentences：（Capitals，commas，full stops，apostrophes，question marks）．
1．dont remove the cover

2．hes master on the mv maria $p$
3. this is mr thomas hes an ab

4 mr andrews isnt a chief engineer

5 im mark simmons im a steward
6. is this an american vessel
7. there arent many ships in the harbour
8. A: did you say the angela

B: shes in hong kong now
(40.2) Rewrite and punctuate the sentences: (Capitals, commas, full stops, apostrophes, question marks, colon)

1. what kinds of boats are there there are basically three kinds of boats sailing rowing and power boats a sailing-boat uses sails for her propulsion a rowing-boat oars and a power boat an engine.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
2. an oar has three parts loom shaft and blade my friends boat has oars but it has sails too yet he doesnt sail very far because the boats small.
$\qquad$
$\qquad$
$\qquad$
3. (Dialogue) customs officer are all these bags yours sir passenger yes they are all mine.
$\qquad$
$\qquad$
$\qquad$



## Exercises.

## (41.1) Choose the right answer:

1. The amount of energy that a solar collector depends $\qquad$ its design.
A. on
B. at
C. in
2. "When does your watch begin?"" 08.00."
A. on
B. in
C. at
3. Nothing serious happened $\qquad$ the Third Mate's shift.
A. during
B. by
C. in
4. I hope to finish this project $\qquad$ the Christmas holidays.
A. on
B. in
C. over
5. When the ship cleared the Channel, he came $\qquad$ the wheelhouse.
A. out
B. outside
C. out of
6. The general cargo carrier was on a long voyage $\qquad$ Yocohama to Piraeus.
A. from
B. for
C. of
7. Big hovercrafts sail $\qquad$ the English Channel every day.
A. across
B. along
C. towards
8. The passengers came ashore $\qquad$ the gangway.
A. across
B. along
C. off
9. The angry sailor moved $\qquad$ the barman.
A. through
B. towards
C. for

## (41.2) Choose the right answer:

1. The vessel arrived at the delta and then sailed $\qquad$ the river.
A. through
B. up
C. round
2. They sailed to the island, and then went up to the village $\qquad$
A. by car
B. by way
C. the bus
3. The Engineer $\qquad$ the faulty pump and turned on the spare one.
A. stood by
B. switched in
C. switched off
4. The ABs had to work quickly accurately.
A. and
B because
C. also
5. The sail was rescheduled there was a storm out.
A. where B. but Cbecause
6. As there was an emergency the ship $\qquad$ Inousses.
A. called at
B. called out
C. called on



## 

## 

- 'Otav $\chi \alpha \varrho \varepsilon \tau о и ́ \mu \varepsilon ~ \varkappa \alpha ́ л о ь о v ~(\tau v \pi \iota \varkappa \alpha ́) ~ \lambda \varepsilon ́ \mu \varepsilon: ~$

Good morning, Good afternoon, Good evening, Goodnight (Móvo $\alpha \pi о \chi \alpha$ @єт́́vтац).
Елíons ( $\varphi$ ı $\lambda \iota x \alpha ́): ~$

| Hello, Maria. Nice/Good to see you. | $\Rightarrow$ Very well, thank you. <br> How are you? |
| :--- | :--- |
|  | $\Rightarrow$ Fine, thanks. And you? |


(Well,) I (really) must go/leave now. Good-bye.
Eлíons:

| It was very nice seeing you. | $\Rightarrow$ I enjoyed seeing you, too. |
| :--- | :--- |
| I hope to see you again. | $\Rightarrow$ I hope so, too. |
| See you tomorrow/soon. | $\Rightarrow$ See you. |
| Have a nice trip home. | $\Rightarrow$ Thank you. The same to you. |
| Goodnight. Have a good sleep. |  |

## 2. इvotáoとıร.


Can/May I introduce myself?
May/can I introduce my best friend?
I'd like to introduce my Mate and the Chief Engineer.
Let me introduce you to Mr. Lellos.

I'm Panos Fokas.
This is Elli Fotiou.

- $\Sigma \tau ı \varsigma ~ \sigma v \sigma \tau \alpha ́ \sigma \varepsilon ı \varsigma ~ \tau \alpha ~ \pi \varrho о ́ \sigma \omega \pi \alpha ~ \lambda \varepsilon ́ v \varepsilon ~ о ~ \varepsilon ́ v \alpha \varsigma ~ \sigma \tau о v ~ \alpha ́ \lambda \lambda о: ~$

| How do you do? | $\Rightarrow$ How do you do? |
| :--- | :--- |
| Pleased/Happy to meet you. | $\Rightarrow$ Pleased to meet you, too. |



## П@б́тŋ єласр́.


Hello! This is ... (Captain Bellios).
Hello! This is Mrs Bellia speaking.


| Is that ... (Miss James)? D | $\Rightarrow$ Yes, speaking. |
| :--- | :--- |
| Could I speak to... (Master Takis)? D | $\Rightarrow$ May I ask who is calling, please? |
| I'd like to speak to Mr Tanenbaum | $\Rightarrow$ Who's calling/this, (please)? |
|  | $\Rightarrow$ Hold the line, please. |
|  | $\Rightarrow$ Hold on, please. D |
|  | $\Rightarrow$ I'm sorry, Miss James isn't here. D |
|  | $\Rightarrow$ I'm afraid Mr Takis isn't in at the moment. |


I'm calling about ...(the delay of receiving spare parts Nos. ...)

## Мๆขv́ $\mu \alpha \tau \alpha$.

| Can I leave a message? P <br> Could you take a message? | $\Rightarrow$ Of course, please go ahead. <br> $\Rightarrow$ Yes, of course. |
| :--- | :--- |
| Can I speak to Secretary Jones? | $\Rightarrow$ I'm afraid she's in a meeting. Can I take a <br> message? |
| Could you ask him to call ...(Elias)? <br> Could you tell him that I called? | $\Rightarrow$ What's your number, please? <br> $\Rightarrow$ Yes, certainly. |




| Đñüóêëçóç/Đñüôáóç | Áðї äï $\div$ ¢ |
| :---: | :---: |
| Would you join us for a swim? <br> I'd like to invite you to the theatre. <br> Why don't you have dinner with me. <br> Let's do something on Saturday evening. <br> Are you free? | $\Rightarrow$ Thank you I would enjoy that. <br> $\Rightarrow$ Thank you. I'd love to come. <br> $\Rightarrow$ Thank you. I'd be delighted. (Also possible: I'll be delighted.) <br> $\Rightarrow$ Perhaps. |
|  | ¢ ñíçóç |
| Would you like to come for a walk with us. <br> How about joining us for the party tonight? <br> How would you like to join us for the cinema tonight? | $\Rightarrow$ Thanks a lot but I'm extremely tired and have an early appointment. <br> $\Rightarrow I ' d$ love to but I'm afraid I can't. <br> $\Rightarrow$ Thank you so much but I've already made other arrangements. |

## 



Thank you for everything. We had a wonderful evening.
Thank you very much inviting us. It was really enjoyable.
Thank you for your hospitality. I really had a good time. I appreciate it very much.
Thanks a lot. It was great. I really had a great time.

I'm glad you liked it.
I'm happy you could come.
I'm happy you enjoyed yourself.



| Е@штŋ́бєıऽ |  |
| :---: | :---: |
| What's your name? | My name's .../I'm . |
| Where do you come from? | I come from Greece. |
| Where do you live? | In Athens. |
| What's your job? / What do you do? | I'm a teacher. |
| Where do you work? | At the Merchant Marine Academies. |
| What's your telephone number? | 2109892230 (Two one zero nine eight nine, double two three oh). |
| How do you go to work? | I walk. On foot. By car. By bus/tram. |
| Do you read newspapers and magazines? | Yes, I do./No, I don't. |
| Are you interested in politics? | Yes I am./No, I'm not. |
| Do you listen to the news? | If I get home early enough. |

## 'Абعı $\alpha$.

|  | $\bigcirc$ |  |
| :---: | :---: | :---: |
| Do you mind if I play some music? <br> May I sail your boat for a while? <br> Could I use your bicycle? |  | No, not at all. <br> No, please do. <br> Yes, of course (you may). <br> (Sure,) Go ahead. <br> Yes, certainly. |
|  |  |  |
|  |  | Well, I am trying to study, you know. <br> Well, I'd rather you didn't. <br> I'm sorry, but I'm riding it myself in a minute. |



## Some Communicative English (5): Meaning and Spelling/Help and directions

## Е@штŋ́бєıऽ $\gamma \iota \alpha \tau \eta \nu \alpha \gamma \gamma \lambda \iota x ŋ ́$.

```
What's this? What are these? This is/These are
What's this called in English, (please)? (It's called) ...It's a
Is this a cargo ship or a passenger ship? }
Is this a tugboat? Yes,(it is)/No, (it isn't).
What does pump mean? (It means) áí öeß́
How do you say ðnñi âëPoóá in English? Dock.
How do you spell juggernaut? j-u- double g-e-r-n-a-u-t.
Could you speak more slowly please?
Could you write that down please?
Could you say that again (repeat that), please?
```


## 

| Eоб́tпoף | - Ало́и@เбワ |
| :---: | :---: |
|  |  |
| Excuse me. Where is the nearest chemist's, please? <br> Excuse me. Is there a bank near hear? | It's over there by the cinema. <br> Go straight on. Then take the first on the left and then the second on the right. You can't miss it. |
| How far is it (please)? <br> Thank you very much. | About a hundred metres. Not at all. You're welcome. |
|  |  |
|  | I'm sorry. I don't know. <br> I'm sorry. I can't help you, I' m a stranger here, too. |



## List of Irregular verbs.

- These are the most common irregular verbs.
- The students would be kindly advised to complete the meanings themselves.

| INFINITIVE | PAST SIMPLE | PAST PARTICIPLE | MEANING |
| :---: | :---: | :---: | :---: |
| be | was | been | عíudı |
| beat | beat | beaten |  |
| become | became | become | - |
| begin | began | begun |  |
| bend | bent | bent | $\square$ |
| bet | bet | bet |  |
| bite | bit | bitten | $\square$ |
| blow | blew | blown | $\square$ |
| break | broke | broken | - |
| bring | brought | brought | 8 |
| broadcast | broadcast | broadcast |  |
| build | built | built |  |
| burst | burst | burst |  |
| buy | bought | bought |  |
| catch | caught | caught |  |
| choose | chose | chosen |  |
| come | came | come |  |
| cost | cost | cost |  |
| creep | crept | crept |  |
| cut | cut | cut |  |
| deal | dealt | dealt |  |
| dig | dug | dug |  |
| do | did | done |  |



| lie | lay | lain |  |
| :---: | :---: | :---: | :---: |
| light | lit | lit |  |
| lose | lost | lost |  |
| make | made | made |  |
| mean | meant | meant |  |
| meet | met | met |  |
| pay | paid | paid |  |
| put | put | put |  |
| read | read /red/ | read /red/ |  |
| ride | rode | ridden |  |
| ring | rang | rung |  |
| rise | rose | risen |  |
| run | ran | run |  |
| say | said | said |  |
| see | saw | seen |  |
| seek | sought | sought |  |
| sell | sold | sold | - |
| send | sent | sent |  |
| set | set | set | A |
| sew | sewed | sewn/sewed |  |
| shake | shook | shaken |  |
| shine | shone | shone | , |
| shoot | shot | shot |  |
| show | showed | shown/showed |  |
| shrink | shrank | shrunk |  |
| shut | shut | shut |  |
| sing | sang | sung |  |
| sink | sank | sunk |  |
| sit | sat | sat/seated |  |
| sleep | slept | slept |  |
| slide | slid | slid |  |
| speak | spoke | spoken |  |
| spend | spent | spent |  |
| spit | spat | spat |  |
| split | split | split |  |


| spread | spread | spread |  |
| :---: | :---: | :---: | :---: |
| spring | sprang | sprung |  |
| stand | stood | stood |  |
| steal | stole | stolen |  |
| stick | stuck | stuck |  |
| sting | stung | stung |  |
| stink | stank | stunk |  |
| strike | struck | struck |  |
| swear | swore | sworn |  |
| sweep | swept | swept |  |
| swim | swam | swum |  |
| swing | swung | swung |  |
| take | took | taken |  |
| teach | taught | taught |  |
| tear | tore | torn |  |
| tell | told | told |  |
| think | thought | thought |  |
| throw | threw | thrown |  |
| understand | understood | understood | - |
| wake | woke | woken |  |
| wear | wore | worn |  |
| weep | wept | wept |  |
| win | won | won |  |
| write | wrote | written |  |

## Notes:

$\qquad$
$\qquad$
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$\qquad$


## Countries and Nationalities.

| Country | Nationality | Country | Nationality |
| :--- | :--- | :--- | :--- |
| Albania | Albanian | Holland | Dutch |
| America (the USA) | American | Hungary | Hungarian |
| Argentina (the | Argentinean | India | Indian |
| Argentine) | Argentinean | Ireland | Irish |
| Australia | Australian | Israel | Israeli |
| Austria | Austrian | Italy | Italian |
| Belgium | Brazilian | Japan | Japanese |
| Brazil | Lebanarian | Norway | Lebanese |
| Bulgaria | Canadian | Poland | Norwegian |
| Canada | Czech | Portugal | Portuguese |
| the Czech Republic | Romania | Romanian |  |
| China | Cypriot | Russia | Russian |
| Cyprus | Sanish | Scotland | Scottish |
| Denmark | Finnish | Sudan (The) | Spanish |
| Finland | French | Sudanese |  |
| France | German | Switzerland | Swedish |
| Germany | Turkey | Turkish |  |
| Great Britain (UK) | British | Greek |  |
| Greece |  |  |  |

## Notes:

$\qquad$
$\qquad$


Write the Greek equivalent next to the colours and shapes below:

- Colours.

| red |  | purple |  |
| :--- | :---: | :--- | :---: |
| brown |  | orange <br> yellow <br> green |  |
| blue |  | black <br> mhite |  |
| grey |  | auburn |  |

- Shapes.



## Notes:



## A Glossary of Maritime Terminology

## Aa

AB（able－bodied seaman）
（np）：л兀uðเoú $\bigcirc \varsigma$ vav́tทร
abaft（adv）：$兀 \varrho \circ \varsigma \tau \eta v \pi \varrho v ́ \mu v \eta$
abandon（v）：$\varepsilon \gamma \kappa \alpha \tau \alpha \lambda \varepsilon i ́ \tau \omega$
abandon ship：$\varepsilon \gamma \gamma \alpha \tau \alpha \lambda \varepsilon$ í $\tau \varepsilon$
бхव́ழos
abate（v）：жол⿱́б́ $\omega$
abeam（adv）：$\chi \alpha ́ \theta \varepsilon \tau \alpha, \alpha 兀 o ́ ~ \tau о ~$ $\pi \lambda \alpha ́ \iota$
absorb（v）：ало＠＠очи́
acceleration（n）：$\varepsilon \pi \iota \tau \alpha ́ \chi \cup v \sigma \eta$
accident（n）：$\alpha \tau \tilde{\chi} \eta \mu \alpha$
accidental（n）：тuð $\alpha$ íos
accommodation（n）：ठıацоv́
accordance（n）：$\sigma \nu \mu \varphi \omega v i ́ \alpha$
acquisition（n）：$\alpha \pi$ о́ктךбך
activate（v）：ঠ＠аотпюьтоь́

active（adj）：ঠ＠абти́юьоऽ，
عve＠үós
adapt（v）：л＠обф＠$\mu$ б́ऽ $\omega$
adequate（adj）：єл $\propto \prec \varkappa ́ s$
adjustment（n）：＠úө $\mu \iota \sigma \eta, \delta \iota-$
ó＠$\theta \omega \sigma \eta$
adopt（v）：vıo日عтढ́
adrift（adj／adv）：દ́＠uaьo $\tau \omega v$ г $\boldsymbol{\mu}$ о́т $\omega v$
adverse（adj）：$\delta v \sigma \mu \varepsilon v \eta \varsigma^{\prime}, ~ a v \tau i ́-$ $\theta \varepsilon \tau о \varsigma$
advertisement（n）：бıафп́ $\mu$－ $\sigma \eta, \alpha \gamma \gamma \varepsilon \lambda i ́ \alpha$
aeroplane（n），$\eta$（airplane）： авоол $\lambda \alpha ́ v o$
aft（adj，adv）：$<\varrho \circ \varsigma \tau \eta \nu \pi \varrho \cup ́-$
 Afternoon watch（n）：12－4 $\mu . \mu$ ．（ $\beta \lambda$ ．watch） ahead（adv）：єил＠óц，л＠о́бш aid（v／n）：$\beta \circ \eta \theta \dot{,}, ~ \beta о \emptyset ө \varepsilon ı \alpha$ $\operatorname{air}(\mathbf{n}): \alpha \varepsilon ́ \varrho \alpha \varsigma$ air－cooler（n）：аع＠очижтŋ́＠аs aircraft（n）：ає＠обхи́ ро alarm（n）：бuvaүع＠uós alert（n）：єль९uえажи́，бvv $\gamma$ عœио́s
align（v）：$\varepsilon v \theta v \gamma \varrho \alpha \mu \mu \dot{́}$
alignment（n）：$\varepsilon v \Theta v \gamma \varrho \alpha ́ \mu \mu \iota \sigma \eta$
all－around light（n）：лع＠íß $\lambda \varepsilon$－ лтоs 甲avós
$\operatorname{allot}(\mathrm{v})$ ：o＠í̧ $\omega, \delta \iota \alpha v \varepsilon ́ \mu \omega$
almanac（n）：ұиєоодо́үьо
alter（v）：$\alpha \lambda \lambda \alpha ́ \zeta \omega$ ，чюололоьш́
altitude（n）：ú
aluminium（n）：a $\lambda$ ov $\mu$ ívı
amidships／midships（adv）：
бто $\mu$ モ́бov $\tau$ ขv $\pi \lambda$ oíov
anchor（n，v）：ó $\gamma$ rv＠$\alpha, \alpha \gamma x v-$ ＠овод́́
anchor light（n）：pavós аү $\quad$ u－ ＠оßодПиє́vov л $\lambda$ oíov
 angle（n）：$\gamma \omega v^{\prime} \alpha$ ，right angle ： о＠Өŋ́ $\gamma \omega v$ ví
angler（np）：$\psi \propto \varrho \alpha ́ s ~ \mu \varepsilon ~ \varkappa \alpha \lambda \alpha ́ \mu \iota ~$ ひんı о＠иíðı（лعтоvıа́）
 appearance（n）：$\varepsilon \mu \varphi \alpha ́ v \iota \sigma \eta$ ， paıvóuzvo
apply for（v）：$\alpha \pi \varepsilon v \theta$ v́voual，
 appliance（n）：бvбนยuŋ́， єраеноүи́，$\mu \varepsilon ́ \sigma о ~$
apprehension（n）：甲óßоऽ， avๆбuxía
apprentice（n）：ठо́хı $\mu о \varsigma, \mu \alpha-$ Өŋтєио́иєvos
approach（v）：л $\lambda \eta \sigma \iota \alpha ́ \zeta \omega$ ，л＠о－
$\sigma \varepsilon \gamma \gamma i ́ \omega$
approaches（n）：л＠óбүєı

approve of（v）：$\varepsilon \gamma$ ц⿱㇒́火 $\omega$
aquarium（n）：عvvס＠६ío
area（n）：$\varepsilon \mu \beta \alpha \delta o ́ v, ~ \varepsilon ́ x \tau \alpha \sigma \eta$ ， $\chi$ б́о
arm（n）：$\beta \varrho \alpha \chi i ́ o v \alpha \varsigma, ~ \mu л \varrho \alpha ́ т \sigma о ~$
ashore（adv）：$\sigma \tau \eta v \alpha \varkappa \tau \eta$ ，$\sigma \tau \eta v$
छп＠व́，
go ashore：$\alpha \pi о \beta \iota \beta \alpha ́ \zeta о \mu \alpha \iota$
aspect（n）：$\alpha ́ \pi о \psi \eta, \pi \lambda \varepsilon v \varrho \alpha ́$
assemble（v）：бuvœ＠цодо $\boldsymbol{\sigma}^{\prime}$ ，
นv．цоvтá＠$\omega$
assembly（n）：$\sigma u ́ v \delta \varepsilon \sigma \eta$ ，$\sigma \cup-$
 бuvé ${ }^{2} \varepsilon u \sigma \eta$
assist（v）：$\beta$ оך $\theta$ б́
assistance（n）：$\beta$ о $\theta \varepsilon \iota \propto$
astern（adv）：$\pi \varrho \circ \varsigma \tau \eta \nu \pi \varrho \cup ́-$
$\mu \nu \eta$
astrolabe（n）：$\alpha \sigma$ ¢о $\lambda \alpha ́ \beta о \varsigma ~$

auxiliary（adj）：ßопӨŋтıко́ऽ
availability（n）：$\delta \iota \alpha \theta \varepsilon \sigma \iota и$ тп－ $\tau \alpha$
available（adj）：$\delta \iota \alpha \theta \varepsilon ́ \sigma \mu \rho \varsigma$
awning deck（n）：лৎочи $\lambda \alpha \gamma$－


## Bb

baggage（n）：$\alpha л о \nprec \varepsilon v \varepsilon ์ \varsigma ~$
bait（n）：$\delta o ́ \lambda \omega \mu \alpha$
bag（n）：$\sigma$ ќжоऽ
bale（n）：$\delta \varepsilon ́ \mu \alpha ~ \varepsilon \mu \tau о \varrho \varepsilon v \mu \alpha ́ \tau \omega v, ~$ $\mu \tau \alpha ́ \lambda \alpha$
bale out（v）：лє́ø $\dagger \omega \mu \varepsilon \alpha \lambda \varepsilon \xi$ í－
$\pi \tau \omega \tau$
ballast（n）：غ́＠$\mu \alpha$, $\sigma \alpha \beta$ оv́ $\alpha$
ballast pump（n）：$\alpha v \tau \lambda i ́ \alpha$ ह́ $\varrho-$ $\mu \alpha \tau о \varsigma$
band（n）：$\tau \alpha v^{i} \alpha, \lambda \omega$ í $\delta \alpha$
bank（n）：ó $\theta \eta \eta$ ，$\chi \alpha ́ \theta \iota \sigma \mu \alpha ~ \varkappa \omega-$
$\pi \eta \lambda \alpha ́ \tau \eta$ ，бعœ＠о́（ $\varkappa \omega \pi \eta \lambda \alpha \tau \omega ́ v$ ，
жоиль（́v）
barge（n）：$\lambda \varepsilon ́ \mu \beta о \varsigma, ~ \mu \alpha о и ́ v \alpha$
barometer（n）：$\beta$ œоо́иєт＠о
barrel（n）：$\beta$ vтío，$\beta \alpha \varrho \varepsilon ́ \lambda \iota$
battleship（n）：$\theta \omega \varrho \eta$ кто́
bay（n）：ко́خлоऽ
be at anchor（v）：عí $\alpha \propto \iota \alpha \gamma \gamma v-$

be in distress（v）：ßо́́бхоцац

be out of sight of（v）：$\chi$ óvouaı be within sight of（v）：$\varphi \alpha$ ívo－
$\mu \alpha$
beach（ $\mathbf{n} / \mathbf{v}$ ）：$\pi \alpha \varrho \alpha \lambda i \alpha, \alpha \mu \mu о v-$

 ＠$\alpha \lambda i ́ \alpha ~ \gamma ı \alpha ~ \alpha л о \beta i ́ \beta \alpha \sigma п ~ \eta ́ ~ \varphi о ́ \varrho-~$ $\tau \omega \sigma \eta, ~ \varkappa \alpha \theta i \zeta \omega ~ \sigma \chi \alpha ́ \varphi \rho о \varsigma ~ \theta \varepsilon \lambda \eta \mu \alpha-$ тเฉа́
beacon（n）：vø $\alpha \lambda$ обعíxтๆऽ， pavós
beak（n）：фх＠о́л＠ш＠о
beam（n）：$\mu \varepsilon ́ \gamma เ \sigma \tau o ~ \pi \lambda \alpha ́ \tau о \varsigma ~$ $\pi \lambda$ oíov
bearing（n）：avtıбтoıxí $\alpha, \delta$ เó－ $\pi \tau \varepsilon \cup \sigma \eta$
Beaufort（n）：Млшфо́＠
Beaufort wind scale（n）：óve－

beforehand（adv）：л＠ожат -乃о入ı $\alpha$ ，єx $\tau \omega v \pi \varrho о \tau \varepsilon ́ \rho \omega v$
 $\pi \lambda \varepsilon \frac{v \varepsilon ์ \chi \tau \eta \mu \alpha}{}$
berg（ $\mathbf{n}$ ）：घ $\chi \tau \alpha \sigma \eta ~ \pi \alpha ́ \gamma \omega v$
iceberg（ $n$ ）：л $\alpha \gamma$ б́ßоиоо
berth（n／v）：x $\lambda i$ ín（ $火 v$. коч $\varepsilon$－́

 бє аүдข＠оßодПиє́vо，л＠обо＠－ $\mu i ́ \zeta \omega \mu \varepsilon \alpha v \tau o ́ v ~ \tau о v ~$ по́ло Bill of health or pratique（n）：
 Bill of lading（n）：甲о＠т $\quad \tau \iota \varkappa$ 斤 blade（n）：$\lambda \varepsilon \pi i ́ \delta \alpha$
 vas）
blizzard（n）：$\chi$ ıovo 0 v́ $\lambda \lambda \lambda \alpha$
blow（v）：甲ứú
blue sky（n）：$\eta \lambda$ лоро́véเ $\alpha$
board（n）：$\sigma \alpha v i ́ \delta 1$ ，on board：
єл兀ßıßабнє́vоऽ，
to go on board（v）：$\varepsilon \tau \iota \beta \iota \beta \alpha ́_{\zeta}$ о－ $\mu \alpha \iota, ~ \varepsilon \tau ı \beta ı \beta \alpha ́ \zeta о \mu \alpha ı ~ \beta ı \alpha i ́ \omega \varsigma, ~$ $\varepsilon \tau \iota \beta i ́ \beta \alpha \sigma \eta ~ \varepsilon \varkappa ~ \mu \varepsilon ́ \varrho о v ऽ ~ \tau \omega v$ аœдб́v
boat house ：vло́бтєүо $\lambda \varepsilon ́ \mu \beta о v$ boatswain（bosun）（n）：vaú－

boil（v）：$\beta \varrho \alpha ́ \zeta \omega$
boiler（n）：$\lambda \varepsilon ́ \beta \eta \tau \alpha \varsigma$
Boilers and Machinery Sur－
veyed（B \＆MS ）：$\lambda \varepsilon ́ \beta \eta \tau \varepsilon \varsigma ~ \chi \alpha \iota$
$\mu \eta \chi \alpha v \varepsilon ́ \varsigma ~ \varepsilon \pi \iota \theta \varepsilon \omega \varrho ŋ ́ \theta \eta \gamma \alpha \nu$
Boilers surveyed（B．s）：$\lambda \varepsilon ́ \beta \eta$－
$\tau \varepsilon \varsigma \varepsilon \pi \iota \theta \varepsilon \omega \varrho \eta \eta^{\theta} \eta \gamma \alpha \nu$
booklet（n）：$\varphi \cup \lambda \lambda \alpha \alpha^{\delta} เ o$
 $\mu \alpha)$
bosun（n）：$\beta \lambda \varepsilon ́ \pi \varepsilon$ boatswain
 $\tau \alpha$ v́рала тоv бха́чочร
bottle（n）：$\mu \tau о \cup \varkappa \alpha ́ \lambda ı$
bow（n）：$\pi \lambda \omega ́ \varrho \eta$ ，л＠$\omega \varrho \alpha$
bowsprit（n）：л＠о́ßоえоऽ ıбть－ фо́＠оv，（ $火$ ．$\mu \pi \alpha \sigma \tau о и ́ v \iota) ~$
brake horse power（bhp）：$\mu \varepsilon ́-$
 เซðúร лદ́סŋラ
breadth（n）：$\pi \lambda \alpha ́ \tau o \varsigma$
break（v）：$\sigma \pi \alpha ́ \zeta \omega$
break out（v）：$\xi \varepsilon \sigma \pi \sigma$（ $\gamma / \alpha \varphi \omega$－ $\tau \iota \alpha ́, ~ \kappa \lambda \pi)$
breakdown（n）：$\beta \lambda \alpha ́ \beta \eta$
breakwater（n）：रu $\mu \alpha \tau о$＠$\alpha v ́-~$
бтทऽ，$\mu$ ஸ́̀оऽ
breathing apparatus（n）：

breeze（n）：$\alpha$ ŋ́ $\alpha, \alpha \varepsilon \varrho \alpha ́ x ı ~$
bridge（n）：$\gamma$ ќqu＠$\alpha$
brief（adj）：бúvтоиоऽ
broadcast（n，v）：$\varepsilon \varkappa л о \mu л \tilde{́}$ ，
$\varepsilon \varkappa \pi \varepsilon ́ \mu \pi \omega$
build（v）：vavлn $\gamma(\dot{\omega}, \chi \tau$ тí̧ $\omega$
bulb（n）：$\beta$ о $\lambda \beta$ кós

bulk cargo ：$\chi$ ט́סŋv чо＠тío
bulk carrier（n）：甲о＠тпүо́
甲о＠тío
bulkhead（n）：$\delta \iota \alpha ́ \varphi \varrho \propto \gamma \mu \alpha$,甲оажти́（ $火 v . \mu \tau о ч \lambda \mu \varepsilon ́ \varsigma) ~$
bulkhead deck ：$\alpha \not \tau \alpha ́ \sigma \tau \varrho \omega \mu \alpha$ отєү $v^{\prime}{ }^{\prime}$
bulletin（n）：$\delta \varepsilon \lambda \tau i ́ o, ~ \alpha v \alpha \varkappa o l-$ $\nu \omega \theta \varepsilon ́ v$
bundle（n）：$\delta \varepsilon ́ \mu \alpha$
bunker（n／v）：$\alpha \pi о \theta$ ŋ́rŋ $\gamma \alpha \iota \alpha ́ v-$

ov，л $\alpha \varrho \alpha \lambda \alpha \mu \beta \alpha ́ v \omega$ каv́бцц $\alpha$
bunkers（n）：xav́бцца xú口ıas $\mu \eta \chi \alpha v \eta ́ s ~ \pi \lambda$ oíov
bunkering（n）：$\pi \alpha \varrho \alpha \lambda \alpha \beta \dot{\eta}$ भ $\alpha v-$
б́́цоv，т＠очобобí х хаvб́́ $\mu \omega$
buoy（n）：бпиабоч́＠$\alpha$
buoyancy（n）：óv $\omega \sigma \eta, \pi \lambda \varepsilon v-$ бто́тทта
burning（n）：« $\alpha$ v́ø

## Cc

cabin（n）：$\chi \alpha \mu л i ́ v \alpha, ~ \theta \alpha ́ \lambda \alpha \mu о \varsigma, ~$ roıt́́vas
cable（n）：vautıæó đтádıo
$(1$ cable $=200$ yards $=185$ metres）
cadet（n）：бо́хцноऽ
call $(\mathbf{v}, \mathbf{n}): \chi \alpha \lambda \omega$, єл兀兀жદ́лто－ $\mu \alpha ı, \pi \varrho о \sigma \varepsilon \gamma \gamma i \zeta \omega, ~ \sigma v v \delta \varrho о \mu \eta$ ，火入ŋ́бך to call at a port：л＠обє $\gamma$－ $\gamma i ́ \zeta \omega \lambda \iota \mu \alpha ́ v \iota$
callipers（n）：ঠı $\alpha \beta$ ŋ́тŋร
$\mu \varepsilon \tau \varrho \eta ́ \sigma \varepsilon \omega \varsigma ~ \sigma \varphi \alpha เ \varrho เ ห ळ ́ v ~ \alpha \nu \tau เ x \varepsilon \iota-$ $\mu \varepsilon ́ v \omega v$
calm（wind）（adj）：v $\eta \vee \varepsilon \mu i ́ \alpha$, а́лvoı $\alpha$
 $\nu \varepsilon \mu i ́ \alpha$
camshaft（n）：єжкєvт＠очо́＠оऽ
 нто丂
can（n）：ঠохєío，$\tau \varepsilon v \varepsilon \chi \varepsilon ́ \varsigma$
can opener（n）：$\alpha v o \iota \chi \tau \eta ́ \varrho \iota$ жоvбє́＠$\alpha$ я
canal（n）：$\tau \varepsilon \chi \vee \eta \tau \eta ́ ~ \delta \iota \omega ́ \varrho v \gamma \alpha$
candidate（n）：vло廿йрюоऽ
cap（n）：$\varkappa \alpha ́ \lambda \nu \mu \mu \alpha(\varkappa v . \tau \alpha ́ \pi \alpha)$ ，
$\pi \eta \lambda i ́ x \iota о$

capacity（n）：$\chi \omega \varrho \eta \tau \iota \propto о ́ \tau \eta \tau \alpha$
cape（n）：ак＠んтŋ́＠
capsize（v）：$\alpha v \alpha \pi о \delta о \gamma v @ i ́ \zeta \omega$
captain（np）：$\pi \lambda \circ$ í $\propto \varrho \chi \circ \varsigma$
carburettor（n）：$\varepsilon \xi \alpha \varepsilon \varrho \omega \tau \eta \varrho \alpha \varsigma$

car carrier（n）：$\pi \lambda$ oío $\pi 0 v \mu \varepsilon$－ тацє́＠єı $\alpha \cup \tau о х і ́ v \eta \tau \alpha$ ，о $ך \mu \alpha \tau \alpha-$ $\gamma \omega \gamma$ о́
care（n）：ழ＠ovтí $\delta \alpha$
cargo（n）：甲о＠тío $\pi \lambda$ oíov
cargo hold ：$\alpha \mu \pi \alpha ́ \varrho \iota$
cargo－ship（n）：ழо＠тп $\gamma$ о́
$\pi \lambda$ oío
cargo liner（n）：甲о＠тп $\gamma$ о́
$\pi \lambda$ оі́о $\gamma \varrho \alpha \mu \mu \eta ́ s$
carriage（n）：$\mu \varepsilon \tau \alpha \varphi о \varrho \alpha ́$, чо＠є́аऽ，$\mu \varepsilon \tau \alpha \varphi о \varrho \varepsilon ́ \alpha \varsigma, ~ \pi \lambda о ь о-~$ $\chi \tau \eta ँ \eta \varsigma, ~ \varepsilon \varphi о л \lambda \iota \sigma \tau \eta ์ ร$
carton（n）：$\chi \alpha$ бо́жоขто
case（n）：$火 \iota \beta \omega ́ \tau \iota о, ~ 火 о ข \tau i ́ ~$
cast（v）：＠í $\chi \vee \omega$
casualty（n）：$\alpha \tau \cup ์ \chi \eta \mu \alpha$ casual－ ties $\tau \alpha$ Өч́ $\mu \alpha \tau \alpha \alpha \tau \chi \eta ́ \mu \alpha \tau \circ \varsigma ~ \eta ́$ лодє́ $\mu \mathrm{ov}$
catamaran（n）：r $\alpha \tau \alpha \mu \alpha \varrho \alpha ́ \nu$
catering（ $\mathbf{n}$ ）：г＠очобобí $\alpha$
catering department（n）：$\tau \mu \eta$－ $\mu \alpha$ т＠очобобі́аs
caution（n）：л＠обохŋ́，л＠óvoı $\alpha$ celestial（adj ）：ov＠ávıos cement（n）：$\tau \sigma \iota \mu$ ќv $о$ central（adj）：$\varkappa \varepsilon v \tau \varrho \iota \varkappa о ́ \varsigma$ centrifugal force（n）：$ч$ оо́жє－
 centrifugal pump（n）：$\pi \varepsilon \varrho \iota-$ бт＠очıхи́ $\alpha v \tau \lambda i ́ \alpha$
centreline（n）：$x \varepsilon v \tau \varrho เ ฉ ฑ ́$ бо $\mu \mu и ̆$
certificate（n）：лıбтолоьŋтıжо́
Ship＇s register（n）：лıбтолоь－
 оv，є́ $\gamma \gamma \varrho \alpha \varphi о$ є $\theta$ vıжо́тๆтаs
Certificate of inspection（n）： лıбтолоıŋтıжо́ тทऽ عтŋ́бıаऽ عлı－
 $\mu \eta \chi \alpha v \eta ́ s ~ \chi \alpha \iota ~ \varepsilon \xi \alpha \varrho \tau \iota \sigma \mu о и ́$
Certificate of pratique（n）： ขүєเоขоцเхŋ́ льбтолоі́ŋбŋ certification（n）：лıбтолоі́ $\sigma \eta$ certify（v）：лıбтолоь chamber（n）：$Ө \alpha ́ \lambda \alpha \mu \circ \varsigma$ channel（n）：ло＠$\theta \mu$ ós，ठíqu－入os
chart（n，v）：$\chi \alpha ́ \varrho \tau \eta \varsigma ~(v \alpha v \tau ı \varkappa o ́ s, ~$ vб＠оүюачіжо́г），ұаетоү＠ачю́
chart room（n）：$\alpha i ́ \theta$ ovo $\alpha$ ŋ́ $\theta \alpha ́ \lambda \alpha \mu \circ \varsigma \chi \alpha \varrho \tau \omega ́ v$
chemicals（n）：$\chi \eta \mu \imath x \varepsilon ́ \varsigma ~ о v \sigma i ́ \varepsilon \varsigma ~$
chief engineer（np）：л＠ஸ́тоऽ ип $\chi \alpha \nu$ เхо́s
chief mate（np）：vлол $\frac{1}{}$ ó́＠－ Х०S，ข́л $\alpha$ Øоऽ
chief officer（np）：vлол $\lambda$ оí $\alpha \varrho-$ Х०S，ข́лんอХOs
chief steward（np）：$\alpha \varrho \chi \iota \theta \alpha \lambda \alpha-$ $\mu \eta \pi o ́ \lambda o s$
chivalry（n）：ıл兀о兀ıбนóऽ，เл－ лобúvŋ
chill（v）：$\pi \alpha \gamma \omega v \omega$
choose（v）：$\varepsilon \pi I \lambda \varepsilon ́ \gamma \omega$ ，$\delta \iota \alpha \lambda \varepsilon ́ \gamma \omega$
chronometer（n）：$\chi \varrho о \vee о ́ \mu \varepsilon \tau \varrho о$
clap（n）：ß＠ovти́
classify（v）：$\kappa \alpha \tau \alpha \tau \alpha ́ \sigma \sigma \omega, \tau \alpha \xi \_-$ voци́
classified ads ：$\mu \iota \not \varrho \varepsilon ́ \varsigma ~ \alpha \gamma \gamma \varepsilon \lambda i ́-$
$\varepsilon \varsigma$
clean ballast tank ：$\delta \varepsilon \xi \alpha \mu \varepsilon v \eta$

clear（n）：баџท́ऽ，stay clear：
$\mu \varepsilon i ́ v \varepsilon ~ \sigma \varepsilon ~ \alpha \sigma \varphi \alpha \lambda \eta ́ \alpha \pi o ́ \sigma \tau \alpha \sigma \eta$ clear（v）：$\sim \alpha \theta \alpha \varrho$ íち $\omega, \varepsilon \lambda \varepsilon v \theta \varepsilon$－ ＠$\omega v \omega, \alpha \pi \alpha \lambda \lambda \alpha ́ \sigma \sigma \omega$
clearance（n）：$\tau \varepsilon \lambda \omega v \varepsilon \iota \alpha x \eta$ ठı $\alpha \sigma \alpha ́ \varphi เ \sigma \eta, ~ \varepsilon \varkappa \tau \varepsilon \lambda \omega v ı \sigma \mu о ́ ऽ, ~$ $\alpha ́ \delta \varepsilon ı \alpha \alpha \sigma \varphi \alpha ́ \lambda \varepsilon ı \alpha \varsigma, \delta \iota \alpha ́ x \varepsilon v o$, $\alpha ́ \delta \varepsilon \iota \alpha \alpha$ ао́л $\lambda$ оv
clear the anchor（v）：$\varepsilon v \pi \varrho \varepsilon \pi i ́-$
$\zeta \omega \tau \eta \nu \alpha ́ \alpha \gamma ข \varrho \alpha, \nu \varepsilon \tau \alpha ́ \varrho \omega$
cliff（n）：$\beta \varrho \alpha ́ \chi \circ \varsigma$
clothing（n）：ц $\mu \alpha \tau \iota \mu$ о́ऽ，$\varepsilon v \delta v ́-$ $\mu \alpha \tau \alpha$
cloud（v）：$\sigma v v v \varepsilon \varphi ı \alpha ́ \zeta \omega$
cloudy（adj，n）：v $\varepsilon \varphi \varepsilon \lambda(\dot{-}-$
ঠŋऽ，vદ́ ршбך，бuvvєцıа́
coal（n）：ávӨ＠axац，ró＠ßочvо
coast（n）：$\alpha \not \tau \eta ́, \pi \alpha \varrho \alpha \lambda i ́ \alpha, \gamma \iota \alpha-$入ós
coastal（adj）：$\pi \alpha \varrho \alpha ́ \varkappa \tau \iota \circ \varsigma, \pi \alpha-$ ＠àıaxós
coastguard（n）：$\alpha x \tau о \varphi \cup \lambda \alpha x \eta$ coil（n）：$\sigma \pi \varepsilon \check{\varrho} \varrho \alpha, \pi \varepsilon \varrho เ \varepsilon ́ \lambda \iota \xi \eta$ ， лך $\downarrow$ ío
collide（v）：бvү～＠ои́оцаı
collision（n）：бú $\gamma$ ¢очбๆ
combustible（adj）：rav́бıนо丂
combustion（n）：$\alpha \vee \alpha ́ \varphi \lambda \varepsilon \xi \eta$ ， rav́oŋ
come to an anchor（v）：$\alpha \gamma x v-$ ＠оßо入б́
command（n，v）：ठı $\alpha \tau \alpha \gamma \dot{\eta}, \delta \iota-$

communication（n）：$\varepsilon \pi \iota x \circ$－ v $\omega$ vía
compact（adj）：$\sigma \cup \mu \pi \alpha \gamma \eta$
compartment（n）：$\delta \iota \alpha \mu \varepsilon ́ \varrho \iota \sigma \mu \alpha$
compass（ $\mathbf{n}$ ）：$\pi v \xi i ́ \delta \alpha$
competitive（adj）：$\alpha \nu \tau \alpha \gamma \omega \vee \iota-$
бтıнós
complement（ $\mathbf{n}, \mathbf{v}$ ）：ó óo тo
$\pi \lambda \eta ́ \varrho \omega \mu \alpha$（ $\alpha \xi \iota \omega \mu \alpha \tau ı \kappa о$ к $\alpha \iota$
vav́тєऽ），бчилえך＠ळ́v
compressed gas ：$\pi \varepsilon \pi ા \varepsilon \sigma \mu \varepsilon ́ v o$ аع́อเ๐
compression（n）：$\sigma \nu \mu \pi$ í $\sigma \eta$
compressor（n）：$\sigma \cup \mu \pi เ \varepsilon \sigma \tau \eta ́ \varsigma$ computation（n）：vло $\lambda_{0}{ }^{\prime}$－ биós
condensed（adj）：$\sigma ч л \cup \varkappa \nu \omega$－ $\mu$ и́vos
confine（v）：$\pi \varepsilon \varrho \iota \circ \varrho i \zeta \omega$
conjuror（n）：$\tau \alpha \chi v \delta \alpha \kappa \tau v \lambda$ оv＠－ زós
conspicuous（adj）：$\pi \varepsilon \varrho \underline{\beta} \beta \lambda \varepsilon$－
$\pi \tau о \varsigma, \pi \alpha \sigma \iota \varphi \alpha v \eta \varsigma^{\prime}$
constant（adj）：$\sigma \tau \alpha \theta$ ع＠ós， $\alpha \mu \varepsilon \tau \alpha ́ \beta \lambda \eta \tau о \varsigma$
constellation（n）：$\alpha \sigma \tau \varepsilon$ ๑ь $\sigma \mu$ о́s
construct（v）：$\sim \alpha \tau \alpha \sigma \chi \varepsilon v \alpha ́ \zeta \omega$
construction（n）：$\sim \alpha \tau \alpha \sigma \varkappa \varepsilon \cup \eta ́$
contact（n，v）：$\varepsilon \pi \alpha \varphi \eta$ ，દ́＠$о-$
$\mu \alpha ı / \varphi \varepsilon ́ \varrho v \omega$ бє єлаюท́
contagious（adj）：$\mu \varepsilon \tau \alpha \delta о \tau \iota \nless ́ \varsigma$
contain（v）：$\pi \varepsilon \varrho \iota \varepsilon ́ \chi \omega$ ，$\pi \varepsilon \varrho \iota-$
$\lambda \alpha \mu \beta \alpha ́ v \omega$
container（n）：ठoұعío
container ship（n）：$\varepsilon \iota \delta \iota x$ ó
$\pi \lambda$ оío $\mu \varepsilon \tau \alpha \varphi о \varrho \alpha ́ s ~ \varepsilon \mu \pi о \varrho \varepsilon v \mu \alpha-$ тожı $\beta \omega \tau i ́ \omega v$
continuation（n）：$\sigma v \varepsilon ́ \chi \varepsilon เ \alpha$ contribute（v）：$\sigma \cup v \varepsilon เ \sigma \varphi \varepsilon ́ \varrho \omega$ ， бuvт $\lambda \omega \dot{\prime}$
control（v）：$\varepsilon \lambda \varepsilon \gamma \chi \circ \varsigma$ ，under
control：vлó $\varepsilon$ ع́ $\varepsilon \gamma \chi \circ$
control station（n）：$\sigma \tau \alpha \theta \mu$ ós ع $\lambda \varepsilon ́ \gamma \chi o v$
controllable pitch propeller
（n）：л＠олє́ $\lambda \alpha$＠v $\theta \mu \zeta$ б́ $\mu \varepsilon \vee о \cup$
$\beta$ п́ $\mu \alpha$ тоз
convert（v）：$\mu \varepsilon \tau \alpha \tau \varrho \varepsilon ́ \pi \omega$
conveyor belt（n）：$\mu \alpha^{\alpha} \nu \tau \alpha \varsigma \mu \varepsilon$－ тацо＠ás
cook（n）：$\mu \alpha ́ \gamma \varepsilon \_\varrho \alpha s$
coolant（n）：భขжтıжо́ цє́бо
cooler（n）：$\sigma \sigma \nsim \varepsilon v \eta ́ ~ \psi u ́ \xi \varepsilon \omega \varsigma$
cooling（n）：$\psi v \mathfrak{\xi}$
cooling pump（n）：$\alpha v \tau \lambda i ́ \alpha \psi v ́-$
$\xi \varepsilon \omega \varsigma$
coordinate（n）：$\sigma \cup v \tau \varepsilon \tau \alpha \gamma \mu \varepsilon ́ v \eta$
copious（adj）：áqӨovos
correct（v）：ठıo＠Өஸ́v $\omega$
corrosive（adj）：$\delta \iota \alpha \beta \varrho \omega \tau \iota \nsim o ́ \varsigma$
жо́ $\lambda \cup \mu \mu \alpha, ~ \varkappa \alpha \lambda и ́ \pi \tau \omega$
＠$\omega \gamma \mu \eta$ ，$\varrho \alpha \gamma і \zeta \omega$
course（n）：ло＠عí $\alpha$
craft（ $\mathbf{n}$ ）：$\pi \lambda$ oío
crane（n）：$\gamma$ ع＠avós
crankshaft（n）：$\sigma \tau \varrho о ч \alpha \lambda о \varphi о ́-$ ＠os $\alpha \xi$ ovas
crate（n）：$\varkappa \iota \beta \dot{\tau} \iota \circ, ~ \varkappa \alpha \varphi \alpha ́ \sigma \iota$
crest（n）：火о＠ччи́ жи́цатоऽ
crew（n）：$\pi \lambda \eta \varrho \omega \mu \alpha$
$\operatorname{cross}(v): \delta \iota \alpha \tau \lambda \varepsilon ́ \omega$
crosswise（adj／adv）：$\sigma \tau \alpha v \varrho \omega-$ đ $\alpha$
crown（n）：$\alpha \gamma \kappa(\dot{v} \alpha \varsigma ~ \alpha ́ \gamma x v \varrho \alpha s$ crude oil（n）：$\alpha \varkappa \alpha ́ \theta \alpha \varrho \tau о ~ \pi \varepsilon-$

cruise ship（n）：«＠оvаఢเє＠ó－
 $\pi \lambda$ oío
cruiser（n）：$\varkappa \alpha \tau \alpha \delta \varrho о \mu เ \kappa о ́, ~ \varepsilon v ́-~$
бŋоио，июочацเє＠о́л $\lambda$ оьо
cubic metres ：$\varkappa \cup \beta เ x \alpha ́ ~ \mu \varepsilon ́ \tau \varrho \alpha ~$
current（n）：$\varepsilon \varepsilon v ́ \mu \alpha$
curriculum vitae ：$\beta$ ıоү＠$о$ ько́ бпиєí $\omega \mu \alpha$
Customs House（n）：
Tع $\lambda \omega v \varepsilon$ ío
customs officer（np）：$\tau \varepsilon \lambda \omega v \varepsilon \iota-$ $\alpha x o ́ s ~ v \pi \alpha ́ \lambda \lambda \eta \lambda \circ \varsigma$
cyclone（n）：$\varkappa \cup \varkappa \lambda \omega \dot{\omega} \alpha \varsigma$
cylinder（n）：xv́גıvס＠os
cylinder head（n）：$x \varepsilon \varphi \alpha \lambda \eta$ $x v$－ $\lambda i ́ v \delta \varrho o v$

## Dd


dairy produce（n）：$\gamma \alpha \lambda \alpha x \tau о-$
жоцижо́ л＠оїо́vта
damage（n）：$\kappa \alpha \tau \alpha \sigma \tau \varrho \circ \varphi \eta$ и́，$\eta$－ $\mu$ ı́́
damp（adj）：vү＠ós
dead slow ahead ：兀＠óб $\sigma$ ло $\lambda \underline{\prime}$ $\alpha \varrho \gamma \alpha ́$
deadweight（n）：vєж＠ó ßর́＠оऽ deadweight tonnage（n）：$\chi \omega$－
＠ๆтıко́тŋта vєж＠ои́ чо＠тíov （ $\mu \varepsilon ́ \gamma เ \sigma \tau \eta ~ \mu \varepsilon \tau \alpha \varphi о \varrho เ ж \eta ́ ~ เ \chi \alpha \nu о ́ т \eta \tau \alpha ~$ นov $\pi \lambda$ oíov）
deck（n）：$\varkappa \alpha \tau \alpha ́ \sigma \tau \varrho \omega \mu \alpha$
deck－hands（np）：（ $\sigma v \vee \forall \omega \varsigma$
 $\tau \alpha \sigma \tau \varrho \omega ́ \mu \alpha \tau о \varsigma$
deck－officer（np）：$\alpha \xi \iota \omega \mu \alpha \tau \iota-$

defective（adj）：$\varepsilon \lambda \alpha \tau \tau \omega \mu \alpha \tau \iota-$ нós
define（v）：o＠í̧ $\omega$
degree（n）：$\beta \alpha \theta \mu$ о́ऽ，$\mu$ о́＠$\alpha$
delay（v）：$\alpha \nu \alpha \beta \alpha ́ \lambda \lambda \omega$ ，$x \alpha \theta v$－ отє＠$\omega$
deliberate（adj）：л＠о $\mu \varepsilon \lambda \varepsilon \tau \eta-$ $\mu \varepsilon ́ v o s, ~ \sigma x o ́ \pi l \mu o 丂$
deliver（v）：$\pi \alpha \varrho \alpha \delta i ́ \delta \omega$
delivery（n）：$\pi \alpha \varrho \alpha ́ \delta o \sigma \eta$
dense（adj）：лижvós
depict（v）：$\alpha \pi \varepsilon ı \kappa о$ víל $\omega$
depth（n）：$\beta \dot{\alpha} \theta$ os
derelict（n）：$\pi \lambda$ oío $\varepsilon \varkappa о$ б́бı $\alpha$ $\varepsilon \gamma \mu \alpha \tau \alpha \lambda \varepsilon \iota \mu \mu \varepsilon ́ v o ~ \varkappa \alpha \theta \omega ́ \varsigma ~ \varkappa \alpha \iota ~ \sigma v-$ vт＠и́ $\mu \iota \alpha$ лоv $\xi \varepsilon \beta \varrho \alpha ́ \sigma \tau \eta \gamma \alpha \nu$ derrick（n）：чоют $\quad$ ти́＠аs designate（v）：o＠íち $\omega$ ，л＠oo＠í－ $\zeta \omega$
destination（n）：$\pi \varrho 00 \varrho \iota \sigma \mu$ о́s
destroyer（n）：$\alpha v \tau \iota \tau о \varrho л \iota \lambda \iota x о ́$
detect（v）：סı $\alpha$＠ív $\omega$ ，$\alpha v \iota \chi \vee \varepsilon v ́-$
$\omega$
detection（n）：$\alpha v \alpha x \alpha ́ \lambda v \psi \eta$ ， avíגvevoŋ
determine（v）：$\sim \alpha \theta$ o＠í̧ $\omega$ ， $\pi \varrho о \sigma \delta \iota o \varrho i ́ \zeta \omega$
deviate（v）：ла＠єжж入ív $\omega$ ， єみт＠є́лоиаı
devise（v）：$\varepsilon \pi \iota v o \omega$
dew（n）：ठ＠óбо丂
dew point ：бףиعío ס＠óбоv
 oع $\omega \mathrm{s}$
diesel engine（n）：$\mu \eta \chi \alpha \vee \eta$
 $\mu \alpha \tau \circ \varsigma v \tau \eta \prime \zeta \varepsilon \lambda, \pi \varepsilon \tau \varrho \varepsilon \lambda \alpha เ \circ \chi เ \nu \eta-$ тท́＠аs
dimensions（n）：סı $\alpha \sigma \tau \alpha ́ \sigma \varepsilon ı \varsigma$
diminish（v）：$\mu \varepsilon \iota \omega ́ v \omega, \mu \varepsilon \iota \omega ́ v o-$
$\mu \alpha$
discharge（ $\mathbf{n}, \mathbf{v}$ ）：$\varepsilon \varkappa \varphi о ́ \varrho \tau \omega \sigma \eta$, єжюои́，گєчоютळ́v
dispersant（n）：$\delta \iota \alpha \sigma \chi \circ \varrho \pi \iota \sigma \tau \iota-$
xó v入ıxó
displacement（n）：єжто́лı $\sigma \mu \alpha$ dispose of（v）：$\xi \varepsilon$ ро＠тб́vоцаı distance（n）：$\alpha \pi \sigma ́ \sigma \tau \alpha \sigma \eta$ distinctive（adj）：$\chi \alpha \varrho \alpha ж \tau \eta \varrho \iota-$
 то丂
distinctly（adv）：$\sim \alpha \theta \alpha \varrho \alpha$
distress（n）：xívঠuvoऽ，ঠúбжо－
$\lambda \eta$ Өє́бך，$\alpha \pi о ́ \gamma \nu \omega \sigma \eta$
distribute（v）：$\delta \iota \alpha v \varepsilon ́ \mu \omega$
distributor（n）：$\delta \iota \alpha \vee о \mu \varepsilon ́ \alpha \varsigma$
disturbance（n）：$\alpha v \alpha \tau \alpha \varrho \alpha \chi \eta$
ditch（v）：л＠обӨ $\lambda \lambda \alpha \sigma \sigma \omega ́ v о \mu \alpha$
divide（v）：ठı $\_\varrho \omega ́$
dock（n）：vто́ $\frac{1}{}$ ऽ，$\alpha \tau о \beta \alpha ́ \theta \varrho \alpha$,
$\delta \varepsilon \xi \alpha \mu \varepsilon v \eta$ ，$\delta \varepsilon \xi \alpha \mu \varepsilon v i ́ \zeta \omega \pi \lambda$ oío
（ $\gamma \iota \alpha \varepsilon \pi \iota \sigma \chi \varepsilon \cup \varepsilon ́ \varsigma)$
donkeyman（n）：$\alpha \varrho \chi \iota \theta \varepsilon \varrho \mu \alpha-$
бтท́s
downpour（n）：vع＠олоvтŋ́，
$\mu \pi$ о́＠$\alpha$
drag anchor（v）：$\sigma$ Ǿ $\omega \tau \eta v$ á $\gamma \sim \cup \varrho \alpha$
draught／draft（n）：$\beta u ́ \theta \iota \sigma \mu \alpha$ $\pi \lambda$ oíov
dredge anchor（v）：$\sigma \cup ́ \varrho \omega \tau \eta v$

dredging operations ：$\varepsilon \varrho \gamma \alpha \sigma$ í－ $\varepsilon \varsigma \varepsilon \chi \beta \alpha \theta$ v́vбє $\omega \varsigma$
drill（v）：七＠uли́ $\mu \varepsilon$ т＠vлর́vı drilling rig（n）：$\varepsilon \xi \varepsilon \varepsilon \delta \varrho \alpha$ $\alpha \nu \tau \lambda \eta ́ \sigma \varepsilon \omega \varsigma ~ \pi \varepsilon \tau \varrho \varepsilon \lambda \alpha i ́ o v$
drizzle（n）：$\psi \iota \lambda \eta ́ \beta \varrho о \chi \eta ́, ~ \psi \iota \chi \alpha ́-$ $\lambda \alpha$
dock（n／v）：$\delta \varepsilon \xi \alpha \mu \varepsilon v \eta ́ ~(\chi v . ~ v \tau o ́-$ жоऽ），$\delta \varepsilon \xi \alpha \mu \varepsilon \nu i ́ \zeta \omega$
dry dock（n）：$\mu o ́ v \iota \mu \eta \delta \varepsilon \xi \alpha \mu \varepsilon-$
$\vee \eta$, floating dock（n）：$\pi \lambda \omega$－
$\tau \eta ́ \delta \varepsilon \xi \alpha \mu \varepsilon v \eta$
docker（np）：甲о＠товжчо＠т -

double bottom（n）：$\delta เ \tau v ́ \theta \mu \varepsilon v \alpha$ draft（n，adj）：л＠ó $\chi \varepsilon\llcorner\varrho о, ~ \sigma v-$ $v \alpha \lambda \lambda \alpha \gamma \mu \alpha \tau ו x \eta$
drift（v／n）：л $\alpha \varrho \alpha \sigma$ ט́＠о $\mu \alpha, \gamma$ र́－
 $\tau \alpha \chi \cup ́ \tau \eta \tau \alpha$＠єч́ $\mu \alpha \tau \circ \varsigma(\beta \lambda$ ．adrift） drop n／v）：$\sigma \tau \alpha \gamma o ́ v \alpha, \pi \tau \omega \sigma \eta$ ，
$\alpha \varphi \eta ́ v \omega$ v $\alpha$ лє́ $\sigma \varepsilon \iota$
drop anchor（v）：＠í $\chi \vee \omega$ व́ү $\chi v$－
＠$\alpha$（cast anchor）
droplet（n）：otaүovíסıo
drum（n）：$\beta \alpha \varrho \varepsilon ́ \lambda ı$
dry－dock（n）：$\sigma \tau \varepsilon \gamma \alpha v \eta \delta^{\delta \varepsilon \xi \alpha-~}$ $\mu \varepsilon v \eta$
dry bulk（n）：छఇ＠ó $\chi$ v́ $\eta \nu$ po＠tío
dumping（n）：$\alpha \pi$ б́＠＠เ $\eta$
 бабио́ऽ，чо́＠оऽ（custom duty：


## Ee

east（adj，n）：$\alpha v \alpha \tau о \lambda ı x o ́ s$, $\alpha \nu \alpha \tau о \lambda \eta, \alpha v \alpha \tau о \lambda \iota x o ́ s ~ \alpha ́ v \varepsilon \mu \circ \varsigma$, $\lambda \varepsilon \beta \alpha ́ v \tau \varepsilon \varsigma$
easterly（adj）：avato $\lambda_{1} \neq o ́ s, ~ \varepsilon \xi$ $\alpha v \alpha \tau о \lambda \omega ́ v, \pi \varrho о \varsigma ~ \alpha v \alpha \tau о \lambda \alpha ́ s$
 echo sounder ：$\eta \chi \eta \tau \iota \ldots o ́ \beta$ $\beta$ Өó－ $\mu \varepsilon \tau \varrho о$
Effective Horse Power（EHP）： $\pi \varrho \alpha \gamma \mu \alpha \tau \iota \varkappa \eta$ וлл兀обช́v $\alpha \mu \eta$
efficiency（n）：ıx $\alpha$ о́тๆ $\tau \alpha$ ， $\alpha \pi о \tau \varepsilon \lambda \varepsilon \sigma \mu \alpha \tau \iota \circ$ о́тๆта，алоботь－ жо́тŋта，$\alpha 兀 o ́ \delta о \sigma \eta ~$
effectiveness（n）：$\alpha \pi \sigma \tau \varepsilon \lambda \varepsilon$－ $\sigma \mu \alpha \tau \iota о$ о́т $\tau \alpha$
electric charge ：$\eta \lambda \varepsilon \chi \tau \varrho \iota ๐$ о́ po＠tío
embark（v）：$\varepsilon \pi \iota \beta \iota \beta \alpha ́ \zeta \omega$
embarkation（n）：$\varepsilon \pi \iota \beta i ́ \beta \alpha \sigma \eta$
embody（v）：$\varepsilon v \sigma \omega \mu \alpha \tau \omega v \omega$
emergency（n）：є́ $\tau \alpha \varkappa \tau \eta ~ \alpha v \alpha ́-$ $\gamma \kappa \eta$
emit（v）：$\varepsilon \varkappa \pi \varepsilon ́ \mu \pi \omega$ ，$\alpha v \alpha \delta i ́ v \omega$
en masse（adv）：$\mu \alpha \zeta \iota \alpha \alpha$, о $\mu \alpha-$
סıxá
encounter（v）：$\sigma v v \alpha v \tau \omega ́, \beta$＠í－
бж $\omega$ иј＠обто́ $\mu$ оv
engine room（n）：$\mu \eta \chi \alpha \sim 0 \sigma \tau \alpha ́-$
бıO
engine room telegraph（n）：

enrol（v）：$\varepsilon \gamma \gamma \varrho \alpha ́ \varphi \omega, ~ \varepsilon \gamma \gamma \varrho \alpha ́ \varphi о-$ $\mu \alpha$
ensure（v）：$\varepsilon \xi \alpha \sigma \varphi \alpha \lambda i \zeta \omega, \varepsilon \gamma$－ үvб́ $\mu \alpha$
entertainer（n）：о л＠обүع́＠$\omega \nu$ $\psi v \chi \alpha \gamma \omega \gamma i ́ \alpha, \sigma u v \tau \varepsilon \lambda \varepsilon \sigma \tau \eta ́ s ~ \delta \iota \alpha-$ бนะठа́бと $\omega \varsigma$
environment（n）：$\pi \varepsilon \varrho \iota \beta \alpha ́ \lambda \lambda o v$ equal（adj）：í
Equator ：Iбŋuع＠ıvós equipment ：$\varepsilon \xi$ ол $\lambda \iota \sigma \mu o ́ s, ~ \varepsilon \xi \propto \varrho-$ тıбиós
erect（ $v, \mathbf{a d j}): \alpha v v \psi \omega َ \omega$ ， $\alpha v o \varrho \theta \omega ́ v \omega$ ，о́＠Өเoऽ
escort（n／v）：ouvodeí $\alpha$ ，ouvo－
ठós，бuvoठعv́ $\omega$
estuary（n）：$\varepsilon \varkappa \beta о \lambda \eta ́ \eta о \tau \alpha \mu о и ́$
evaluate（v）：$\varepsilon \varkappa \tau \iota \mu \omega ́$ ，vлолоүі́－
$\zeta \omega$
Evening watch ： $4-8 \mu . \mu$ ．
evolve（v）：$\alpha v \alpha \pi \tau v ́ \sigma \sigma \omega / o \mu \alpha ı$ ， $\varepsilon \xi \varepsilon \lambda i ́ \sigma \sigma о \mu \alpha \iota$
exert（v）：$\alpha \sigma \varkappa \omega ́$
exhaust（n，v）：$\varepsilon \xi \alpha \vee \tau \lambda \omega, \varepsilon \xi \alpha-$
$\gamma \omega, \varepsilon \xi \alpha \gamma \omega \gamma \eta, \varepsilon \xi \alpha \dot{\alpha} \tau \mu \iota \sigma \eta$
exhaust valve（n）：$\beta \alpha \lambda \beta i ́ \delta \alpha$ $\varepsilon \xi \alpha \gamma \omega \gamma \eta{ }^{\prime}$ s
expand（v）：$\varepsilon \xi \alpha \pi \lambda \omega \nu \omega / o \mu \alpha \iota$ ， $\delta \iota \alpha \sigma \tau \varepsilon ́ \lambda \lambda \omega$ ，
expansion（n）：$\varepsilon \xi \alpha ́ \pi \lambda \omega \sigma \eta$
$\varepsilon \pi \varepsilon ์ \varkappa \tau \alpha \sigma \eta$ ，ठıабто入ŋ́，єжто́v $\omega \sigma \eta$
$\alpha \tau \mu о$ и́
expansion tank（n）：ठохعío

expansion trunk
expect（v）：$\alpha v \alpha \mu \varepsilon ́ v \omega$ ，$\Pi \varrho о \sigma \delta о-~$
жи́
experience（n）：$\pi \varepsilon$ 亿́＠$\alpha$ ，божı－
$\mu \alpha ́ \zeta \omega$
explore（v）：$\varepsilon \xi \varepsilon \varrho \varepsilon v v$ ó
explorer（n）：$\varepsilon \xi \varepsilon \varrho \varepsilon \cup \vee \eta \tau \eta ́ ร$
explosion（n）：є́ $\varrho \emptyset \eta \xi \eta$
explosive（adj，n）：$\varepsilon \kappa \varrho \eta \gamma \tau \iota-$

extinguish（v）：$\sigma \beta \eta \quad v \omega$
extinguisher（n）：$\pi v \varrho о \sigma \beta \varepsilon$－
oтท́＠as
eyesight（n）：ó＠$\alpha \sigma \eta$

## Ff

factor（n）：л $\propto \varrho \alpha ́ \gamma о v \tau \alpha \varsigma$
fairway（n）：ठí $\alpha \cup \lambda \circ \varsigma$ ，то $\beta \alpha \theta$ v́－
тє＠о жаı л $\lambda \omega \tau о ́ \mu \varepsilon ́ \varrho о \varsigma ~ \lambda \iota \mu \varepsilon$－
$\nu \alpha / \pi о \tau \alpha \mu о и ́ / \pi о \varrho \Theta$ ои́ $\boldsymbol{\kappa \lambda \pi}$
fan（n）：$\alpha v \varepsilon \mu \iota \sigma \tau \eta ́ \varrho \alpha s ~(\varkappa о \chi \lambda i ́-~$ $\alpha \varsigma, ~ \tau \varrho о \chi о ́ \varsigma ~ \varkappa \lambda \pi.) ~ \gamma เ \alpha ~ \pi \alpha \varrho \alpha \gamma \omega-$

fault（n）：$\varepsilon \lambda \alpha ́ \tau \tau \omega \mu \alpha, \sigma \varphi \alpha ́ \lambda \mu \alpha$
fast（adj）：$\tau \alpha \chi v ́ \varsigma, ~ \sigma \tau \alpha \theta \varepsilon @ o ́ \varsigma$,
отє＠ع $\omega \mu$ ќvoऽ
fasten（v）：$\sigma \tau \varrho \varepsilon \omega ́ v \omega, \pi \varrho о \sigma-$
бє́v $\omega, \mu \pi \sigma \tau \sigma \alpha ́ \varrho \omega$
fathom（n）：$\mu \iota \alpha$ о＠$\uparrow \iota \alpha, 1,828 \mu$ ，

fender（n）：л＠очv $\lambda \alpha \not \tau \iota \kappa о ́ \gamma \iota \alpha$ жтvли́ $\mu \alpha \tau \alpha$ бт $\alpha \pi \lambda \varepsilon \varrho \alpha \dot{\alpha}(\mu \pi \alpha-$ $\lambda o ́ v ı, \sigma \tau \varrho \omega \mu \alpha ́ \tau \sigma \alpha)$
ferry（n）：ло＠Өムєío
ferry－boat（n）：甲ع́＠＠v－$\mu \pi \sigma \tau$ ， ло＠Өиєío
fertilizer（n）：$\lambda i ́ \pi \alpha \sigma \mu \alpha$
filter（n，v）：фí $\lambda \tau \varrho \circ, ~ \varphi і \lambda \tau \varrho \alpha ́ \varrho \omega$ ， ठเv $\lambda i \zeta \omega$
fire detection system ：$\sigma$ v́бтŋ－ $\mu \alpha \alpha \nu i \chi v \varepsilon v ́ \sigma \varepsilon \omega \varsigma ~ \pi v \varrho \chi \alpha \gamma เ \alpha ́ s$
fire－drill（n）：व́бжךбŋ عточиó－
$\tau \eta \tau \alpha \varsigma \gamma \iota \alpha$ лv＠жаүเа́
fireman（n）：$\theta \varepsilon \varrho \mu \alpha \sigma \tau \eta ์ ร$
First dog watch ：4－6 $\pi . \mu$ ．$(\beta \lambda$ ． watch）
First watch ： $8-12 \mu . \mu$ ．$(\beta \lambda$ ． watch）
First Mate（n）：$\beta \lambda \varepsilon ́ \pi \varepsilon$ Chief mate
First Officer（n）：vлол $\boldsymbol{\nu}^{\prime}$ í $^{\circ}-$

fishing tackle（n）：$\alpha \lambda \iota \varepsilon \cup \tau \iota \varkappa \alpha ́$ бúve＠$\gamma \alpha$
fishing vessel（n）：$\alpha \lambda \iota \varepsilon v \tau \iota \nless ́$ оха́цоऽ
fit（adj，v）：$\alpha \alpha \tau \alpha ́ \lambda \lambda \eta \lambda \circ \varsigma, ~ \alpha ́ \xi ı \circ \varsigma$, vүıท́ร，เxаvós，$\varepsilon \xi$ ол $\lambda i \zeta \omega$
fitting（n）：$\varepsilon \varphi \alpha \varrho \mu о \gamma \eta ́, ~ \varepsilon \xi \alpha ́ \varrho-$ $\tau \eta \mu \alpha$
fittings（n）：$\varepsilon \xi \propto \varrho \tau \iota \sigma \mu \circ ́ \varsigma, \beta о \eta-$ Өŋтıжદ́ऽ єүนатабто́бєıऽ，є $\xi \propto \varrho-$ $\tau \eta ́ \mu \alpha \tau \alpha$
flag（n）：$\mp \eta \mu \alpha i ́ \alpha ~ f l a g s h i p ~(n) ~: ~$ v $\alpha v \alpha \varrho \chi i ́ \delta \alpha$
flagstaff（n）：коvтá＠ı бףนаías flake（n）：vı९á $\delta \alpha$（ $\chi \iota \circ \vee ı$ ú）
flammable（adj）：$\varepsilon$ v́ $\lambda \varepsilon \chi \tau \circ \varsigma$
flare（n）：$\varepsilon$ vтоvo p $\omega \varsigma \beta \varrho \alpha \chi \varepsilon$ í－ $\alpha \varsigma ~ \delta \iota \alpha ́ \varrho \varkappa \varepsilon \iota \alpha \varsigma, ~ \varphi \omega \tau о \beta о \lambda i ́ \delta \alpha$
flash（n，v）：$\lambda \alpha ́ \mu \psi \eta, \alpha v \alpha \lambda \alpha-$ $\mu \pi \eta$ ，$\lambda \alpha ́ \mu \pi \omega$ ，$\alpha \sigma \tau \varrho \alpha ́ \varphi \tau \tau$
flash point（n）：бךиعío $\alpha \nu \alpha \varphi \lambda \varepsilon ́ \xi \varepsilon \omega \varsigma$
flash of lightning ：$\alpha \sigma \tau \varrho \alpha \pi \eta$
flashing light ：$\varphi \alpha ́ \varrho о \varsigma ~ \pi о v$ $\alpha v \alpha \lambda \alpha ́ \mu \pi \varepsilon \iota$
fleet（n）：oтó入os
flint（n）：ли＠ó $\lambda_{1} \theta$ оऽ
float（v）：$\pi \lambda \varepsilon ́ \omega$ ，$\varepsilon \pi \iota \pi \lambda \varepsilon ́ \omega$
floating－dock（n）：$\pi \lambda \omega \tau \eta{ }^{\prime} \delta-$
$\xi \alpha \mu \varepsilon v \eta ́ ~(\gamma \iota \alpha$ єлıбжєvє́ऽ л入оі́－ $\omega v)$
flood（v，n）：л $\lambda \eta \mu \mu \cup \varrho i ́ \omega$, к $\alpha-$ $\tau \alpha x \lambda v ́ \zeta \omega, \pi \lambda \eta \mu \mu v \varrho \alpha$
flotation（n）：$\pi \lambda \varepsilon v \sigma \tau o ́ \tau \eta \tau \alpha$ ， عлі́лл $\lambda \varepsilon \sigma \eta$
flour（n）：$\alpha \lambda \varepsilon v ́ \varrho \iota$
fluent（adj）：$\varepsilon \cup \varphi \varrho \alpha ́ \delta \eta \varsigma, ~ a ́ v \varepsilon-$
Tos
fluently（adv）：$\alpha, v \varepsilon \tau \alpha, \mu \varepsilon \varepsilon v-$ $\chi$ と́＠$\varepsilon เ \alpha$
fluke（n）：óvv $\xi$ ，vv́ $\downarrow$（ $\alpha \not \gamma x v-~$ ＠as）
foam（n）：ач＠ós
fog（n）：o $\mu i ́ \chi \lambda \eta$
fog bank ：$\pi \cup \chi \nu \eta ́ ~ o \mu i ́ \chi \lambda \eta ~ \sigma \tau \eta \nu$ عлıৎа́vยıа тทऽ Өа́ $\lambda \alpha \sigma \sigma \alpha \varsigma$
foggy（adj）：оцı $\lambda \lambda \omega$ б́ $\eta$ S
force（n）：$\delta$ v́v $\alpha \mu \eta$
fore（ $\mathbf{a d j}, \mathbf{a d v}$ ）：$\pi \varrho$ ó $\sigma$ เoऽ， л＠ш＠ íos，є $\mu \pi \varrho о ́ \varsigma, ~ \mu л \varrho о \sigma \tau \alpha ́ ~$
fore－and－aft（adv）：$\delta \iota \alpha \mu \eta \nsim \eta \zeta$ ，
$\alpha \pi o ́ ~ \tau \eta v ~ \pi \varrho \omega \varrho \varrho \eta \omega \varsigma \tau \eta \nu \pi \varrho v ́ \mu \nu \eta$
forecast（n）：$\pi \varrho о ́ \gamma v \omega \sigma \eta ~ \varkappa \alpha \iota-$
＠ои́，$\mu \varepsilon \tau \varepsilon \omega \varrho о \lambda о \gamma \iota x o ́ ~ \delta \varepsilon \lambda \tau i ́ o$
forecastle（n）：$\pi \varrho о ́ \sigma \tau \varepsilon \gamma \circ$
foremast（n）：л＠$\varrho \varrho \alpha$ íos ıơós
（นv．тоข＠ชย์то）
forenoon watch ：$\beta$ व́＠$\iota \alpha$ 8－12
$\pi . \mu$ ．（ $\beta \lambda$ ．watch）
foresee（v）：$\pi \varrho \circ \beta \lambda \varepsilon ́ \pi \omega$
forward（adv）：$\pi \varrho \circ \varsigma \tau \alpha \mu \pi \varrho \circ \varsigma$ foul anchor ：$\mu \pi \lambda \varepsilon \gamma \mu \varepsilon ́ v \eta \alpha_{\alpha}^{\gamma} \gamma v-$ $\varrho \alpha, \pi \iota \alpha \sigma \mu \varepsilon ́ v \eta$ ото $\beta v \theta$ ó
four－cycle diesel engine ：$\tau \varepsilon$－
 ＠as
frame（ $\mathbf{n}, \mathbf{v}$ ）：$\pi \lambda \alpha i ́ \sigma \iota o(\chi v . \tau \varepsilon \lambda-$ $\lambda \alpha ́ \varrho о), ~ v о \mu \varepsilon ́ \alpha s, ~ \pi \lambda \alpha \iota \sigma ı \omega ́ v \omega ~(\chi v$. но＠vi̧ág $\omega$ ）
freeboard（n）：$\varepsilon \xi \alpha \lambda \alpha \pi \lambda$ oíov， $\psi \eta \lambda \alpha ́$
freeze（v）：$\pi \alpha \gamma \omega ́ v \omega$ ，$\pi \eta ́ \xi \omega$
freight（n）：vav́入os
freighter（n）：甲о＠тп $\gamma$ о́
frequency（ $\mathbf{n}$ ）：$\sigma \cup \chi \vee$ о́тŋ $\tau \alpha$
fresh breeze（n）：$\alpha, v \varepsilon \mu \circ \varsigma \lambda \alpha-$
$\mu \pi \varrho о ́ \varsigma, ~ 17-21 \mu ı \lambda i ́ \omega v$
fresh gale（n）：óvع $\mu \circ \varsigma \sigma x \lambda \eta$－ ＠ós，о＠иүтьо́s
fresh water pump（n）：$\alpha v \tau \lambda i ́ \alpha$ ло́бццои vع＠ov́
friction（n）：$\tau \varrho \iota \beta \dot{\eta}$
frigate（n）：ло $\lambda \varepsilon \mu เ$ о́ $\pi \lambda$ оío
ठ＠о́ $\mu \omega \nu$（ $火 v . ~ \varphi \varrho \varepsilon \gamma \alpha ́ \tau \alpha) ~$
fringe benefits ：$\pi \varrho o ́ \sigma \theta \varepsilon \tau \varepsilon \varsigma$
$\pi \alpha \varrho о \chi \varepsilon ́ \varsigma ~(\sigma \varepsilon ~ \varepsilon \varrho \gamma \alpha \zeta o ́ \mu \varepsilon v o v \varsigma)$
front（n）：$\mu \varepsilon ́ \tau \omega \pi \sigma$
fuel（n）：火 $\alpha v ́ \sigma \not \mu \eta ~ v ́ \lambda \eta ~$
fuel oil ：$\varkappa \alpha и ́ \sigma \iota \mu о ~ л \varepsilon \tau \varrho \varepsilon \lambda \alpha i ́ o v, ~$ $\pi \varepsilon \tau \varrho \varepsilon ́ \lambda \alpha \iota \frac{\lambda \varepsilon \beta \eta ́ \tau \omega \nu}{}$
fuel consumption（n）：$火 \alpha \tau \alpha-$

fuel gas（n）：$\sim \alpha v \sigma \alpha \varepsilon ́ \varrho เ ๐$
full power（adv）：$\pi \alpha ́ \sigma \eta ~ \delta u v \alpha ́-~$
$\mu \varepsilon \iota$
full sail（n）：เотıоүо́＠о $\mu \varepsilon$ ó $\lambda \alpha$ $\tau \alpha \pi \alpha v ı \alpha ́ \alpha v o ı \chi \tau \alpha ́$
full（speed）ahead ：л＠ó $\sigma \omega$
олотахб́s
full（speed）astern ：$\alpha \vee \alpha ́ \pi o \delta \alpha$ олотахб́s
function（ $\mathbf{n}, \mathbf{v}$ ）：$\lambda \varepsilon \iota \tau \circ \cup \varrho \gamma i ́ \alpha$, $\lambda \varepsilon ı \tau о v \varrho \gamma \omega ́$
funnel（n）：भалvобо́ $\circ \varsigma$, นбъ－ $\mu$ เvเモ́＠$\alpha$

## Gg

gale（n）：$\theta v ́ \varepsilon \lambda \lambda \alpha, \theta v \varepsilon \lambda \lambda \omega \dot{\sigma} \eta \varsigma$
$\alpha \quad \alpha \varepsilon \mu \circ \varsigma$
gale warning ：$\alpha v \alpha \gamma \gamma \varepsilon \lambda i ́ \alpha ~ \theta v$－ $\varepsilon \lambda \lambda \omega \delta \omega ́ v \alpha v \varepsilon \mu \omega v$
galleon（n）：$\gamma \alpha \lambda \varepsilon ́ \varrho \alpha$ жıจои́ $\mu \varepsilon$－ $\nu \eta \mu \varepsilon \pi \alpha \nu \iota \alpha$
galley（n）：$\mu \alpha \gamma \varepsilon \_\varepsilon$ ío $\pi \lambda$ оíov， $\gamma \alpha \lambda \varepsilon ́ \varrho \alpha$ жเขоч́ $\mu \varepsilon \vee \eta ~ \mu \varepsilon ~ \varkappa о ข \pi \iota \alpha ́ ~$火 $\alpha \iota \pi \alpha v \iota \alpha ́$
gangway（n）：$\varkappa \iota v \eta \tau \eta ́ ~ \varkappa \lambda i ́ \mu \alpha ж \alpha ~$

$\omega 5$
garbage（n）：$\nsim о \cup \pi i ́ \delta ı \alpha$
gas（n）：$\alpha$ ع́＠เо
gas oil（n）：$\varepsilon \lambda \alpha \varphi \varrho o ́ ~ л \varepsilon \tau \varrho \varepsilon ́ \lambda \alpha \iota о ~$
$\nu \tau \eta \zeta \varepsilon \lambda$
gasoline（n）：$\beta \varepsilon v \zeta i ́ v \eta$
gauge（ $\mathbf{n}, \mathrm{v}$ ）：ó＠$\gamma \alpha v$ о
$\mu \varepsilon \tau \varrho \eta ́ \sigma \varepsilon \omega \varsigma, \mu \varepsilon \tau \varrho \eta \tau \eta ́ \varsigma$
gear（n）：$\varepsilon \xi \alpha \varrho \tau \eta ́ \mu \alpha \tau \alpha$ ，$\sigma v ́ \sigma \tau \eta-$ $\mu \alpha \mu о \chi \lambda \omega ́ v$, обоvт $\omega \tau$ о́s т＠о－ خós bevel gear（n）：helical gear（n）：є $\lambda \iota \ldots \circ \varepsilon เ \delta \varepsilon ́ \varsigma ~ \gamma \varrho \alpha-$ vá̧ı spur gear（ n ）：worm gear（n）：$\alpha \tau \varepsilon ́ \varrho \mu \omega \nu$ жох入í $\alpha \varsigma$ （бє $\varepsilon \mu \pi \lambda о \chi \eta ́ \mu \varepsilon$ обоvт $\omega \tau o ́$兀＠охо́）
geared engine ：$\mu \eta \chi \alpha v \eta$ $\mu \varepsilon \sigma v$－ отๆца обоvт $\omega \tau \omega v \tau \varrho о \chi \omega \nu$
gear－wheel pump（n）：
$\gamma \varrho \alpha \nu \alpha \zeta \omega \tau \eta \alpha^{\alpha} \nu \tau \lambda i ́ \alpha$
general cargo（n）：$\gamma \varepsilon \vee \iota$ ó
بо＠тío
general cargo carrier（n）：
甲о＠тпүо́ л入оío $\gamma \varepsilon$ ขıжои́ po＠tíov
generator（n）：$\gamma \varepsilon \nu v \eta$ ๆ́ $\varrho \iota \alpha$
gentle breeze ：$\lambda \varepsilon \pi \tau o ́ \varsigma ~(\alpha ́ v \varepsilon-$
$\mu \mathrm{os})$
geographic coordinates（n）：

governor（n）：＠vӨนıотท́ร
gravity（n）：$\beta \alpha \varrho 勹 ́ \tau \eta \tau \alpha$
grievance（n）：$\pi \alpha \varrho \alpha ́ \pi \sigma$ о
greaser（n）：$\lambda ı \pi \alpha \nu \tau \eta ́ \varsigma$
grain（n）：бıтך＠人́
gross tonnage ：$\frac{\lambda \iota \chi \eta ́ ~}{\chi \omega \varrho \eta \tau \iota-~}$ нótŋта $\pi \lambda$ oíov
guidance（n）：$\varkappa \alpha \theta о \delta \eta \quad \gamma \eta \sigma \eta$
gust（n）：$\alpha \iota \varphi$ víסı $\alpha \alpha \iota \pi \alpha \varrho о-$
 gyro compass（n）：$\gamma \cup \varrho о \sigma \chi о л ь-$ $\chi \eta ́ \pi v \xi i ́ \delta \alpha$

## Hh

hack saw（n）：бıঠŋ＠ол＠íоvо hail（n）：$\chi \alpha \lambda \alpha ́ \zeta ı$
half ahead（adv）：兀＠óб $\ddagger \mu$ и－ тахळ́s
hamper（n）：$\pi \alpha \varrho \varepsilon \mu \pi о \delta i ́ \zeta \omega$ ， عvoұ入ы
handle（n，v）：$\chi$ ¢œои́ $\lambda \iota, \chi \varepsilon \iota \varrho i ́-$ گоиаı
harbour（n）：$\lambda_{\text {u }} \mu \alpha \alpha_{\mathrm{v}}$
harmful（adj）：$\varepsilon \pi \iota \beta \lambda \alpha \beta \eta ́ s$
hazard（n）：xívסuvos
haze（n）：$\alpha \chi \lambda u ́ s ~ \xi \eta \varrho \alpha ́, ~ \varepsilon \lambda \alpha \varphi \varrho \alpha ́ ~$
оиі́х $\lambda \eta$（о＠$\alpha \tau о ́ \tau \eta \tau \alpha \mu \varepsilon \gamma \alpha \lambda u ́ \tau \varepsilon \varrho \eta$ $\alpha \pi$ о́ $2 \chi$ เ入ıо́ $\mu \varepsilon \tau \varrho \alpha)$
head（n，v）：$\pi \lambda \omega \varrho \eta, \varkappa \alpha \tau \varepsilon v \theta v ́-$
vоцаı，หатєvӨv́v $\omega$
heap up（v）：$\sigma \sigma \sigma \sigma \varrho \varepsilon v ́ \omega$
hearing（n）：ажоŋ́
heat（n）：$\theta \varepsilon \varrho \mu$ о́тๆт $\alpha, \theta \varepsilon ́ \varrho \mu \alpha v-$
$\sigma \eta$
heave（v）：$\alpha v v \psi \omega ́, ~ \varepsilon ́ \lambda ж \omega ~$

heavy swell，long ：$\mu \alpha \iota o ́ \mu \varepsilon v \eta$ ，
ұоvтŋŋ́ чоч＠тои́v $\alpha$（ $\beta \lambda$ ．swell）
heavy swell，short ：$x \lambda v \delta \omega ́ v ı$ ，
$\mu \varepsilon \gamma \alpha ́ \lambda \eta$ чоч＠тои́v $\alpha$（ $\beta \lambda$ ．swell）
helm（n）：$\tau \mu o ́ v \iota, ~ \pi \eta \delta \alpha ́ \lambda \iota o$
helmsman（np）：$\pi \eta \delta \alpha \lambda \iota \circ$ ч́ $\circ \varsigma$ ， тциovเモ́＠ŋS
hinder（v）：$\pi \alpha \varrho \alpha \varkappa \omega \lambda v ́ \omega$ ， $\varepsilon \mu \pi o \delta i ́ \zeta \omega$
hoist（v）：$\alpha v v \psi \omega ́ v \omega$
hold（n）：$\alpha \mu \pi \alpha ́ \varrho \iota$

$\gamma \eta(x v . \gamma \alpha ́ v \tau \zeta o \varsigma)$
Horse Power（HP）：เлл $\mu \eta$
hose（n）：$\sigma \omega \lambda \eta{ }^{\prime} v \alpha s, \mu \alpha ́ v ı x \alpha$, $\lambda \alpha ́ \sigma \tau i \chi o$
hull（n）：бжо́qоऽ，ноvৎа́＠ı
$\pi \lambda$ oíov，тo oxa＠í $\tau 0 v \pi \lambda$ oíov
Hull and Machinery（ $\mathbf{H} \& \mathbf{M}$ ）： ожо́чоз жаı $\mu \eta \chi \alpha v \eta$
humidity（n）：vү＠$\alpha \sigma i ́ \alpha(v \delta \varrho \alpha-$ $\tau \mu$ о́ бтךv $\left.\alpha \tau \mu о ́ \sigma \varphi \alpha \_\varrho \alpha\right)$
hurricane ：тчрш́vаร，жчжло́－
$v \alpha \varsigma, ~ Ө v ́ \varepsilon \lambda \lambda \alpha \mu \varepsilon \alpha v \varepsilon ́ \mu \circ v \varsigma ~ \alpha ́ v \omega$ $\tau \omega \nu 75 \chi \mu$ ．
hovercraft（n）：$\tau \alpha \chi \cup ́ \pi \lambda о о ~ \sigma ж \alpha ́-~$ чоऽ лоv $\gamma \lambda \iota \sigma \tau \varrho \alpha ́ ~ \pi \alpha ́ v \omega ~ \alpha \pi о ́ ~$ $\tau \eta v$ єлıюа́vєı $\alpha$ тๆऽ $\theta \alpha ́ \lambda \alpha \sigma \sigma \alpha \varsigma ~$ hydrofoil（n）：vб＠олтє́＠vүо $\pi \lambda$ oío（ $x v . \delta \varepsilon \lambda \varphi i ́ v ı)$
Hydrographic Department ：


## Ii

ice breaker（n）：$\pi \alpha \gamma \circ \theta \varrho \alpha v \sigma \tau \iota-$ жо́
icing（n）：$\varepsilon л і ́ л \alpha \gamma \circ \varsigma, ~ \varkappa \varrho о и ́ \sigma \tau \alpha$ ла́ $\gamma о \cup$
identification（n）：$\alpha \vee \alpha \gamma \vee \omega ́ \varrho \iota-$ бך таvто́тŋтаร，аvаүvஸ́＠เซŋ， таútıoŋ
identify（v）：$\pi \varrho 0 \sigma \delta \iota \varrho i ́ \zeta \omega \tau \eta$ т $\alpha \cup \tau$ óтๆ $\tau \alpha, \alpha \nu \alpha \gamma \nu \omega$＠íל $\omega$ ignition（n）：$\alpha v \alpha ́ \varphi \lambda \varepsilon \xi \eta$ imminent（adj）：$\varepsilon \pi \iota x \varepsilon$ í $\mu \varepsilon v \circ \zeta$ ， व́ $\mu \varepsilon \sigma о \varsigma$
impart（v）：$\mu \varepsilon \tau \alpha \delta i ́ \delta \omega$
imply（v）：vлоขо $\omega$ ，бขvєла́үо－ $\mu \alpha ı$
in accordance with ：$\sigma \tilde{\mu} \mu \omega \nu \alpha$ $\mu \varepsilon$
inboard motor（n）：$\varepsilon \sigma \omega \lambda \varepsilon ́ \mu \beta \mathrm{t}-$ оऽ xıvŋтŋ́＠аऽ сp．outboard
motor：$\varepsilon \xi \omega \lambda \varepsilon ́ \mu \beta$ ıоऽ $\chi เ v \eta \tau \eta ́ \varrho \alpha \varsigma ~$
in sight ：о＠$\alpha о$ ，лоv раívєт $\alpha \iota$
incapacitated（adj）：$\alpha$ íx $\alpha \sim \circ$ ऽ
incident（n）：$\varepsilon \pi \varepsilon \iota \sigma o ́ \delta ı$
incinerator（n）：$火 \lambda i ́ \beta \alpha \sim \circ \varsigma$
$\alpha \pi о \tau \varepsilon \varphi \varrho \omega ́ \sigma \varepsilon \omega \varsigma$
include（v）：$\pi \varepsilon \varrho \iota \varepsilon ́ \chi \omega$ ，$\pi \varepsilon \varrho \iota-$
$\lambda \alpha \mu \beta \alpha ́ v \omega$
indicated horse power（IHP）：

indicator（n）：ठєíxтŋร，סขv $\alpha$－ нобєíxтทร
inert material（n）：$\alpha \delta \varrho \alpha v \varepsilon ́ \varsigma$ vえıxó
inflammable（adj）：$\varepsilon$ v́ $\lambda \varepsilon \varkappa \tau о \varsigma$
inlet（n）：عíoodos
insomnia（n）：$\alpha u ̈ \pi v i ́ \alpha$
inspection（n）：$\varepsilon \pi i ́ \sigma \eta \mu \eta ~ \varepsilon \pi \iota-$
Өعळ́＠ŋбŋ，દ́＠$\varepsilon u v \alpha$
install（v）：$\varepsilon \gamma \gamma \alpha \theta \iota \sigma \tau \omega$
installation（n）：$\varepsilon \gamma \mu \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta$
instrument（n）：о́＠$\gamma \alpha \vee$ о
intend（v）：бжолєv́ $\omega, \sigma \chi \varepsilon \delta \iota \alpha ́-$
$\zeta \omega$ ，л＠отí $\theta \varepsilon \mu \alpha \iota$
intention（n）：бжоло́ऽ，兀＠о́Өє－
$\sigma \eta$
interior（adj）：$\varepsilon \sigma \omega \tau \varepsilon \varrho \iota$ о́s
internal（adj）：$\varepsilon \sigma \omega \tau \varepsilon \varrho \iota \nless$ к
Internal Combustion Engine
（ICE）（n）：$\mu \eta \chi \alpha v \eta ́ \varepsilon \sigma \omega \tau \varepsilon \varrho \iota-$
 $v \eta$
interview（n）：бuvદ́v $\tau \varepsilon \cup \xi \eta$ iron ore（n）：$\sigma \iota \emptyset \emptyset о \mu \varepsilon \tau \alpha ́ \lambda \lambda \varepsilon v-$ $\mu \alpha$
irregularity（n）：$\alpha v \omega \mu \alpha \lambda i ́ \alpha$ island（n）：v $\eta \sigma$ í
isle（n）：ठıóס＠оцоऽ
issue（n，v）：દ́xסобך，єxסíठ $\omega$
isthmus（n）：ı $\sigma \theta \mu$ ós

## Jj

jack－knife（n）：oovүıós jet（n）：л＠оßодŋ́，$\varepsilon \varkappa \tau о ́ \xi \varepsilon v \sigma \eta$ v६＠ov́ $\eta$ ає＠íov $\mu \varepsilon$ о＠иŋ́ jettison（n，v）：$\alpha \pi о ́ \varrho \varrho เ \psi \eta ~ \varphi о \varrho-$ тíov $\mu \varepsilon$ бжоло́ тๆ оштŋ＠í $\alpha$ тоv $\pi \lambda$ оíov，ало＠＠íл $\tau \omega \kappa \lambda \pi$ ．
jetty（n）：$\pi \varrho \circ \beta \lambda \eta ́ \tau \alpha$（ $\xi v$ v́ $\iota v \eta ~ \eta ~$

join（v）：$\sigma v \delta \varepsilon ́ \omega$
joint（n）：$\sigma v ́ v \delta \varepsilon \sigma \eta, \varepsilon ์ v \omega \sigma \eta$

## Kk

keel（n）：$\alpha \alpha \varrho i ́ v \alpha ~ \pi \lambda o i ́ o v ~$
knocking（n）：жтv́兀oऽ
knot（n）：xо́щßоऽ
knowledgeable（adj）：$\gamma v \omega$－
oтทऽ，єvŋ́ルع＠os

## LI

labour（n）：ठоvдعıа́，жо́лоऽ
ladder（n）：бжа́ $\lambda \alpha$ чо＠ŋти́， $\alpha v \varepsilon \mu o ́ \sigma \chi \alpha \lambda \alpha$
landmark（n）：$\chi \alpha \varrho \alpha ж \tau \eta \varrho \iota \sigma \tau \iota-$ жо́ бпиعío отŋг छŋŋ＠́́ о＠ато́ $\alpha \pi o ́ ~ \tau \eta ~ Ө \alpha ́ \lambda \alpha \sigma \sigma \alpha$（ $\pi \cdot \chi . x \omega \delta \omega v o-$ бто́бเ๐，аvє $\mu \circ ́ \mu \nu \lambda о \varsigma)$
lash（v）：ठ $์ v \omega$ ，$\mu л о \tau \sigma \alpha ́ \varrho \omega ~$
lathe（ $\mathbf{n}, \mathbf{v}$ ）：兀ó＠vos，兀o＠vعv́ $\omega$
latitude（n）：$\pi \lambda \alpha ́ \tau o \varsigma$
launch（v）：$x \alpha \theta \varepsilon \lambda \kappa 兀 ์ \omega$
launching（n）：$x \alpha \theta \varepsilon ́ \lambda x \nu \sigma \eta$ $\pi \lambda$ oíov
lavatory（ $\mathbf{n}$ ）：$\tau 0 \cup \alpha \lambda \varepsilon ́ \tau \alpha$
lay（v）：толоӨєт $\omega, \beta \alpha ́ \zeta \omega$
layer（n）：$\sigma \tau \varrho \omega ́ \mu \alpha$
law（n）：vó $\mu$ оऽ
leads（n）：$\mu$ ع́＠$\eta$ бxoıvıov́ $\sigma v ́-$ блабтоv（ $\mu \varepsilon \tau \alpha \xi v ́ ~ \tau \varrho о \chi i ́ \lambda \omega v) ~$
leaf（n）：$\varphi v ́ \lambda \lambda о$
leak（v，n）：ঠıа＠＠є́ $\omega$, ठıа＠＠ои́
leaky（adj）：лоv દ́ $\chi$ ィ סıа＠＠о－ ह́ऽ
 นоऽ $\pi \lambda \varepsilon v \varrho \alpha ́$
length at（between）the per－
pendiculars ：$\mu \eta$ भоs $\pi \lambda$ oíov $\mu \varepsilon \tau \alpha \xi \cup ́ \tau \omega v \varkappa \alpha \theta \varepsilon ́ \tau \omega v$
length at the waterline ：$\mu \eta$ й $\pi \lambda$ oíov като́ тๆv íба入o $\wp \varrho \mu \mu \eta ́$
less（adj）：$\lambda$ ıүо́тє＠оऽ
liable to（adj）：vлохєíp६ขо丂
lifeboat（n）：$\sigma \omega \sigma i ́ \beta ı \alpha \lambda \varepsilon ́ \mu \beta \circ \varsigma$

lifesaver（n）：$\sigma \omega \sigma i ́ \beta \iota$
light air ：vлолvє́ $\omega v$
light breeze ：$\alpha \sigma \theta \varepsilon v \eta ́ s ~(\alpha ́ v \varepsilon$－ $\mu \mathrm{os})$
light ship（n）：$\alpha \gamma \mu ข \varrho о ß о \lambda \eta \mu \varepsilon$－ vo $\pi \lambda$ оío $\varepsilon \varphi о \delta ı \alpha \sigma \mu \varepsilon ́ v o ~ \mu \varepsilon ~ \varphi \alpha-$
 $\pi \lambda 0 і ̈ \alpha \varsigma$
lighthouse（n）：$\varphi$ व́＠os
lightning（n）：$\alpha \sigma \tau \varrho \alpha \pi \eta$
line（n）：$\gamma \varrho \alpha \mu \mu \eta, \gamma \varrho \alpha \mu \mu \eta$ $\pi \lambda$ oíov
liner（n）：$\pi \lambda$ oío $\gamma \varrho \alpha \mu \mu \eta ́ s$,
cargo liner ：фо＠тп $\gamma$ о́ $\gamma \varrho \alpha \mu$－ $\mu \eta$ ŋ，passenger liner ：$\varepsilon \pi \iota \beta \alpha-$ тŋүо́ ү＠фици́s
liquefied natural gas（LNG）：

liquefied propane gas ：vүoо－ лоıךиє́vо ає́＠เо л＠олаvíov
liquid（adj，n）：vү＠ós，vү＠ó
list（n，v）：$\mu \alpha \tau \alpha ́ \lambda \sigma \gamma \circ \varsigma, ~ 火 \lambda i ́ \sigma \eta$
$\pi \lambda$ оíov $\sigma \varepsilon \mu \operatorname{\iota } \alpha \lambda \varepsilon v \varrho \alpha ́$ ，$\varepsilon \chi \omega$ н $\lambda i ́ \sigma \eta$
Little Bear（Ursa Minor）（n）： Мıх＠и́ A＠xтоऽ
load（n，v）：甲о＠тíо，чо＠тб́v load line（n）：$\gamma \varrho \alpha \mu \mu \eta$ чо＠тб́бعผऽ
Load Line Certificate（n）：$\pi l-$ отолоıптьо́ үоации́s
чоютб́бع $\omega$ s
locally（adv）：тол兀х́́
locate（v）：$\varepsilon v \tau о \pi i \zeta \zeta \omega(\pi . \chi . \beta \lambda \alpha ́-$ $\beta \eta$ ，толоӨєб⿱㇒́口 $\alpha$ ）
location（n）：$\varepsilon v \tau о \pi \iota \sigma \mu o ́ s, \varepsilon \xi \alpha-$ ж＠íß $\omega \sigma \eta$ ，толо $\theta \varepsilon \sigma$ í $\alpha$
lock（n）：$\alpha v \cup \psi \omega \tau ı x \eta ́ ~ \delta \varepsilon \xi \alpha \mu \varepsilon v \eta ́$ סı́́＠uүas
$\log (\mathbf{n}): \delta \varrho о \mu о ́ \mu \varepsilon \tau \varrho о, ~ \eta \mu \varepsilon \varrho о-$
$\lambda$ о́ $\gamma$ เо $\pi \lambda$ оíov
logbook（n）：$\eta \mu \varepsilon$＠о $о$ о́ $\llcorner$ л $\pi$ о ov
logged（adj，part）：$\kappa \alpha \tau \alpha \chi \omega \varrho \eta-$ $\mu \varepsilon ́ v o s ~ \sigma \tau о ~ \eta \mu \varepsilon @ о \lambda о ́ \gamma เ о ~$
longitude（n）：$\mu \eta \chi^{\prime}$ ऽ
look out（ $\mathbf{v}, \mathbf{n}$ ）：л＠обє́ $\chi \omega$ ，єл兀－

sharp look－out）
lookout（n）：олтŋ́＠аs
loudspeaker（n）：$\mu \varepsilon \gamma \alpha ́ \varphi \omega \vee о$ lounge（v，n）：ло $\lambda \tau \tau \varepsilon \lambda \eta ́ \varsigma ~ \alpha i ́-~$ Өоvба，бадо́vь，xалvıбтŋ́＠เо
Low Pressure（LP）：$\chi \alpha \mu \eta \lambda \eta$ $\pi i ́ \varepsilon \sigma \eta$
lower（v）：$\alpha \tau \varepsilon \beta \alpha ́ \zeta \omega, ~ \chi \alpha \mu \eta \lambda \omega ́-$ $\nu \omega$
low swell，long ：$\varepsilon v \theta \alpha \lambda \alpha \sigma \sigma i ́ \alpha$ （ $\beta \lambda$ ．swell）
low swell，short ：$\gamma \alpha \lambda \eta \sim \eta$（ $\mu \pi 0-$ vó $\sigma \sigma \alpha$ ）（ $\beta \lambda$ ．swell）
 нó）
lubricate（v）：$\lambda ı \pi \alpha i ́ v \omega$
lubricating oil ：$\lambda \alpha \alpha^{\prime}$ 七
$\lambda ı \pi \alpha ́ v \sigma \varepsilon \omega s$
lubrication（n）：$\lambda i ́ \pi \alpha \nu \sigma \eta$
lubrication system ：$\sigma u ́ \sigma \tau \eta \mu \alpha$
$\lambda ı \pi \alpha ́ v \sigma \varepsilon \omega \varsigma$
luggage（n）：$\alpha \pi \circ \sigma \varkappa \varepsilon v \varepsilon ́ \varsigma ~$

## $\mathbf{M m}$

machine（n）：$\mu \eta \chi \alpha v \eta$
machine gun（n）：$\pi 0 \lambda v \beta o ́ \lambda o$
Machinery Certificate（MC）：

$\mu \eta \chi \alpha \nu \omega ้$
machinery space operations ：

oт $\alpha \sigma$ óov
magnetic compass ：$\mu \alpha \gamma \vee \eta \tau \iota x \eta$
$\pi v \xi i ́ \delta \alpha$
maiden voyage（ $\mathbf{n}$ ）：$\pi \alpha \varrho \theta \varepsilon v \iota-$ но́ $\tau \alpha \xi i ́ \delta \iota$
main mast（n）：xú＠ıos ıбтós，
то $\mu \varepsilon \gamma \alpha ́ \lambda о ~ ж \alpha \tau \alpha ́ \varrho \tau \iota, ~ \tau о ~ л \varrho \omega ́ \tau о ~$

เбтıоро́＠ov
maintain（v）：бuvтך＠ó，סıатๆ－ ＠б́ бє $\varkappa \alpha \lambda \eta ́ ~ \varkappa \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta ~$
maize（n）：$\sim \alpha \lambda \alpha \mu \pi о ́ \varkappa ı, ~ \alpha \varrho \alpha \beta о ́-~$ olvos
malfunction（n）：$\delta v \sigma \lambda \varepsilon \iota \tau \circ \cup \varrho-$ $\gamma i ́ \alpha, \beta \lambda \alpha \dot{\beta} \eta$
man（n，v）：áv $\varrho \alpha \varsigma, \varepsilon \pi \alpha v \delta \varrho(\omega-$ $\nu \omega$
manned（part，adj）：$\varepsilon \pi \alpha v$－
$\delta \varrho \omega \mu \varepsilon ́ v o \varsigma$, unmanned ：$\mu \eta$
$\varepsilon \pi \alpha v \delta \varrho \omega \mu \varepsilon ́ v o 丂$
management（n）：$\delta \iota \varepsilon v ́ \theta \cup v \sigma \eta$ ， סıахعí＠ıoŋ
manifest（n）：$\delta \eta \lambda \omega \tau \iota \nless$ о́ роютí－ ov
manifold（n）：$\sigma \omega \lambda \eta{ }^{\prime} \alpha \alpha$ ，$\alpha \gamma \omega$－

$\sigma \omega \lambda \eta \nu \omega ́ \sigma \varepsilon \omega \nu, x \iota \beta \omega ́ \tau \iota \circ$ סıаvo－
$\mu \eta^{\prime}$
manoeuvre（ $\mathbf{v}, \mathbf{n}$ ）：xóv $\omega \in \lambda \iota \gamma$－
 є $\lambda \iota \gamma$ о́s，$\mu \alpha \nu о и ́ \beta \varrho \alpha$
manoeuvring（n）：$\varepsilon \lambda \iota \gamma \mu o ́ s$, $\varepsilon \mu \tau \varepsilon ́ \lambda \varepsilon \sigma \eta$
manoeuvrability（n）：$\varepsilon v \varepsilon \lambda_{\iota} \xi i ́ \alpha$,
 ع $\lambda \iota \gamma \mu о$ и́s
manual（n）：$\varepsilon \gamma \chi \varepsilon \iota \varrho i ́ \delta ı$
marine（adj，n）：$\theta \alpha \lambda \alpha ́ \sigma \sigma \iota \circ$ ， vavтıxós，vavтıxó
mariner（n）：vavтıxós，$\theta \alpha-$ $\lambda \alpha \sigma \sigma$ ıós
marital status（n）：оњоүعveı－ $\alpha \varkappa \eta ́ ~ \varkappa \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta$
maritime（adj）：vavtıxós
mark（n）：бףuعío

master（n）：$\pi \lambda$ oí $\varrho \chi \circ \varsigma$
masthead light（n）：$\varepsilon \varphi$ íवтıos
pavós
mate（np）First＇，Second＇，
Third＇：П＠ю́тоऽ，бєúтє＠оऽ， т＠ítos $\pi \lambda$ oí $\propto$ Øоऽ
Mayday ：тo $\delta \iota \varepsilon \theta v \varepsilon ́ \varsigma ~ \sigma \eta ́ \mu \alpha ~ \varrho \alpha-$
ठเотŋ $\lambda \varepsilon \varphi \omega v i ́ \alpha s ~ \varepsilon \varkappa \pi \varepsilon \mu \pi о ́ \mu \varepsilon v o ~$
 xívסuvo（ $\alpha \pi$ о́ тๆ $\gamma \alpha \lambda \lambda ı x \eta ́ \lambda \varepsilon ́ \xi \eta$ ＂m’aidez＂$\beta о \eta Ө \eta ́ \sigma \tau \varepsilon \mu \varepsilon$ ）

## Mean Effective Pressure

（MEP）：$\mu \varepsilon ์ \sigma \eta ~ \pi \varrho \alpha \gamma \mu \alpha \tau \iota x \eta ́ ~ \pi i ́ \varepsilon-$ $\sigma \eta$
measure（v）：$\mu \varepsilon \tau \varrho \omega$
measurement（n）：$\not \alpha \tau \alpha \mu \varepsilon ́ \tau \emptyset \eta-$ $\sigma \eta(\pi \lambda \eta \theta$.$) ： \delta \iota \alpha \sigma \tau \alpha ́ \sigma \varepsilon ı \zeta$
Mechanical Engineer（ME）： $\mu \eta \chi \alpha v o \lambda o ́ \gamma \circ \varsigma, \mu \eta \chi \alpha v i x o ́ s$
medical（adj）：ı $\alpha$ ¢七九ós
merchant ship ：$\varepsilon \mu \pi о \varrho \iota \varkappa о ́$
$\pi \lambda$ ó́o
mesh（n）：$\varepsilon \mu \pi \lambda о \chi \eta \quad \gamma \varrho \alpha v \alpha-$
૬ı́́v，$\delta \iota \chi \tau v \omega \tau о ́, \pi \lambda \varepsilon ́ \gamma \mu \alpha$
message（n）：$\mu \eta{ }^{\prime} v \nu \mu \alpha$
meticulously（adv）：$\sigma \chi \circ \lambda \alpha \sigma \tau \iota-$ xá
Middle watch ：$\mu \varepsilon \sigma \alpha ́ v v \chi \tau \alpha \omega \varsigma$
$4 \pi . \mu$ ．（ $\beta \lambda$. watch）
midships（n）：$\tau \circ \mu \varepsilon ́ \sigma \circ \tau \circ v$ $\pi \lambda$ oíov
military service（n）：$\sigma \tau \varrho \alpha \tau \iota \omega$－ $\tau \iota \varkappa \eta$ $Ө \eta \tau \varepsilon$ í $\alpha$
millibars（n）：$\chi \iota \lambda \iota \circ \sigma \tau o ́ \beta \alpha \varrho о$ ，
$\mu \iota \lambda \lambda \iota \mu \pi \alpha ́ \varrho$
minus（adv）：$\mu$ عíov
minute（n）：$\lambda \varepsilon \pi \tau o ́ ~ \tau \eta \varsigma ~ \omega ́ \varrho \alpha \varsigma, ~$
л＠ஸ́то $\lambda \varepsilon \pi \tau о ́ ~ \tau \eta \varsigma ~ \mu о$＠аs
misfire（v）：（ $\gamma\llcorner\alpha \mu \eta \chi \alpha \nu \eta$ ）$\delta \varepsilon v$

missile（n）：$\beta \lambda \eta{ }_{\mu} \mu \alpha$
missing（adj）：aүvoov́ $\mu \varepsilon \vee \circ$ s
mist（n）：$\alpha \chi \lambda u ́ \varsigma ~ v \gamma \varrho \eta ́, ~ \varepsilon \lambda \alpha \varphi \varrho \alpha ́ ~$
оці́ $\chi \lambda \eta$（о＠ато́тŋта 1－2 $\chi$ ı $\lambda \iota$ ó－
$\mu \varepsilon \tau \varrho \alpha)$
mixture（n）：$\mu \varepsilon$ í $\gamma \mu \alpha$
mizzen－mast（n）：o т＠ítos

ıбтıo甲ógov
moderate（adj）：$\mu$ ह́т＠ıos
moderate breeze ：$\mu$ ќт＠เos
（óvع $\mu \circ$ ）
moderate gale ：$\sigma \varphi o \delta \varrho o ́ s ~(\alpha ́ v \varepsilon$－
$\mu \circ \varsigma)$
moderate swell，average
length ：$\sigma \alpha ́ \lambda \circ \varsigma$ ，$兀 \varrho \iota \cup \mu i ́ \alpha$（ $\beta \lambda$ ．
swell）
moderate swell，long ：$\varepsilon \pi i ́ \sigma \alpha-$
$\lambda$ о丂，чоч＠тои́va（ $\beta \lambda$ ．swell）
moderate swell，short ：$x \cup \mu \alpha-$ тıouós（ $\beta \lambda$ ．swell）
modulation（n）：$\delta \iota \alpha \mu о ́ \varrho \varphi \omega \sigma \eta$
monitor（v）：л $\alpha \varrho \alpha \kappa о \lambda о \cup \theta \omega ́$ ， $\varepsilon \lambda \varepsilon ́ \gamma \chi \omega$
$\operatorname{moor}(v): ~ o \varrho \mu i \zeta \omega, \pi \varrho v \mu \nu о \delta \varepsilon-$ $\tau \omega, ~ а ү \varkappa ข \varrho о \beta о \lambda \omega ́ ~ \mu \varepsilon ~ \delta v ́ о ~ \alpha ́ \gamma \gamma v-~$ ＠$\varepsilon \varsigma$
Morning watch ： $4-8 \pi \cdot \mu$ ．（ $\beta \lambda$ ． watch）
 $\tau \omega v$ Mo＠s
motor（n，v）：xıvŋтŋ́＠as，oठ $\eta$－ $\gamma \omega$ аvтохívŋто
Motor Vessel（MV）：$\pi \lambda$ oío $\mu \varepsilon$ $\mu \eta \chi \alpha v \varepsilon ́ s ~ \varepsilon \sigma \omega \tau \varepsilon \varrho เ x \eta ́ s ~ x \alpha u ́ \sigma \varepsilon \omega \varsigma$
moulded breadth（mld）：$\varepsilon \sigma \omega$－
тє＠ぃо́ $\mu \varepsilon ́ \gamma \iota \sigma \tau о ~ \pi \lambda \alpha ́ \tau о \varsigma$
moulded depth（mld）：$\mu \varepsilon ́ \gamma$ t－
бто $\beta \alpha ́ \theta$ оऽ л л $\lambda$ oíov
mouth（n）：$\varepsilon \chi \beta о \lambda \eta$ лотанои́
multi－deck（adj）：ло $\lambda \lambda \omega \dot{v}$ к $\alpha$－ $\tau \alpha \sigma \tau \varrho \omega \mu \alpha ́ \tau \omega v$
multiply（v）：$\pi 0 \lambda \lambda \alpha \pi \lambda \alpha \sigma \iota \alpha ́ \zeta \omega$
multipurpose（adj）：$\pi 0 \lambda \lambda \alpha-$ $\pi \lambda \omega \nu \chi \varrho \eta ́ \sigma \varepsilon \omega \nu$
must（n）：жо́ $\tau \iota ~ ข \pi 兀 \chi \varrho \varepsilon \omega \tau \iota \varkappa o ́ ~$ mutiny（n）：$\alpha v \tau \alpha \varrho \sigma i ́ \alpha$

Nn
naked（adj）：$\gamma \cup \mu \nu$ о́s
naptha（n）：vócp $\theta \alpha$
nationality（n）：$\varepsilon \theta \vee \iota \varkappa o ́ \tau \eta \tau \alpha$
nautical（adj）：vav兀ıжós
nautical tables ：vav兀ıжoí лí－ vaxes
naval（adj）：vaviıxós
navigable（adj）：$\pi \lambda \omega ́ \mu \circ \varsigma$ ， $\pi \lambda \omega \tau о ́ \varsigma, \pi \lambda \varepsilon v \sigma \tau o ́ \varsigma$
navigable channel（n）：סíqu－
入os vavoıл $\lambda$ oïas
navigate（v）：vavoıл $\lambda \circ \omega$ ， $\pi \lambda \varepsilon ́ \omega, \delta \iota \alpha \pi \lambda \varepsilon ́ \omega$
navigation（n）：v $\alpha v \sigma \iota \pi \lambda{ }^{\circ}$ ö́ $\alpha$
navigation／navigational
bridge ：$\gamma \varepsilon ́ \varphi v \varrho \alpha$ vavoıл入оїаऽ
navigator（n）：$\alpha \xi \iota \omega \mu \alpha \tau \iota$ о́s
ло＠عías л $\lambda$ oíov
near（adv）：$\pi \lambda \eta \sigma \iota \alpha ́ \zeta \omega$
near gale ：$\sigma \varphi о \delta$＠ós（ $\alpha$ vє $\mu \circ \varsigma$ ）
negligent（adj）：$\alpha \mu \varepsilon \lambda \eta$ দ，
ал＠о́бєжтоऽ
net（n）：סí $\chi \tau$
net tonnage ：$火 \alpha \theta \alpha \varrho \eta ́ \chi \omega \varrho \eta \tau \iota-$ нótŋта $\pi \lambda$ oíov
New Engines and Boilers
（N．E．\＆B）：火аıvov́＠$\gamma \iota \varepsilon \varsigma \mu \eta$－
$\chi \alpha \vee \varepsilon ́ \varsigma ~ н \alpha ı ~ \lambda \varepsilon ́ \beta \eta \tau \varepsilon \varsigma ~$
nil（n）：$\mu \eta \delta \varepsilon ́ v$
north（adj，n）：ßo＠eıvós，ßo＠－ ＠ás，ßо＠เás，т＠ацоuvто́va
northeast（adj，n）：$\beta$ о＠$\varepsilon \iota \alpha \nu \alpha-$ то入ıxо́s，乃о＠єıаvато入ıxós а́vย－

northwest（adj，n）：$\beta \circ \varrho \varepsilon \iota o \delta v-$
 $\mu \alpha i ̈ \sigma \tau \varrho о \varsigma$
notation（n）：$\sigma \cup \mu \beta$ о $\wedge \varkappa ท ́ ~ \tau \alpha-$ ＠$\alpha ́ \sigma \tau \alpha \sigma \eta$
notice（n）：$\alpha \gamma \gamma \varepsilon \lambda i ́ \alpha, \alpha v \alpha \kappa o i ́-$ $v \omega \sigma \eta$

Notices to Mariners ：$\alpha \gamma \gamma \varepsilon \lambda i ́ \varepsilon \varsigma$ л＠оऽ v $\alpha v \tau i \lambda \lambda о \mu \varepsilon ́ v o v \varsigma ~$ notification（n）：$\varepsilon \iota \delta о \pi о$ п́ $\sigma \eta$, $\alpha v \alpha \gamma \gamma \varepsilon \lambda i ́ \alpha, \alpha v \alpha \beta о i ́ v \omega \sigma \eta$ novel craft（n）：бжо́ роऽ rаı－
 nozzle（n）：л＠обто́цьо，аж＠о－甲úбıo

## Oo

oar（n）：久оขлí
object（n）：$\alpha v \tau \iota x \varepsilon$ ípevo
obscured ：x＠чицє́vos，бvүน $\alpha$－
$\lambda u \mu \mu \varepsilon ́ v o s$
observe（v）：ла＠$\alpha \tau \eta \varrho \omega$
obstruct（v）：$\varepsilon \mu \pi \sigma \delta i ́ \zeta \omega, \pi \alpha \varrho \varepsilon$－ voх入ш́
obstruction（n）：$\varepsilon \mu \pi$ ó $\iota \circ$
ocean（n）：$\omega \varkappa \varepsilon \alpha \nu o ́ \varsigma$
odour（n）：oб $\quad$ خ́
offshore（adj／adv）：$\pi \varepsilon ́ \varrho \alpha \nu \tau \omega \nu$ ажт $\omega v, ~ \varkappa о v \tau \alpha ́ ~ \sigma \tau ו \varsigma ~ \alpha x \tau \varepsilon ́ \varsigma ~$
officer（n）：$\alpha \xi \iota \omega \mu \alpha \tau \iota$ ós
official（adj）：$\varepsilon \pi i ́ \sigma \eta \mu \circ \varsigma$
official $\log (\mathbf{n}): \eta \mu \varepsilon \varrho о \lambda о ́ \gamma \iota \circ$
 үќчиŋаs
oil filtering system ：$\sigma u ́ \sigma \tau \eta \mu \alpha$
甲í $\lambda$ т＠ov $\lambda \alpha \delta$ ıov
oil record book ：$\beta \iota \beta \lambda i ́ o \pi \varepsilon \tau \varrho \varepsilon$－ $\lambda \alpha$ íov
oil slick（n）：$\pi \varepsilon \tau \varrho \varepsilon \lambda \alpha เ о \not \eta \lambda i ́ \delta \alpha$
oil spill（n）：$\pi \varepsilon \tau \varrho \varepsilon \lambda \alpha เ \circ \not \eta \lambda \lambda i ́ \delta \alpha$
operation（n）：$\chi \varepsilon \iota \varrho \iota \sigma \mu o ́ s, \lambda \varepsilon \iota-$
тоv＠$\gamma$ í $\alpha, \varepsilon \pi \iota \chi \varepsilon$ ́́＠$\eta \sigma \eta$
operating costs ：$\lambda \varepsilon ı \tau \circ \cup \varrho \gamma \iota x \alpha ́$
є́ $\xi$ oठ $\alpha$
outboard motor（n）：$\varepsilon \xi \omega \lambda \varepsilon ́ \mu-$
$\beta \operatorname{los}$ xıvŋтŋ́＠as
outlet（n）：$\varepsilon \xi_{0} \delta o \varsigma$
outlook（n）：л＠óß $\lambda \varepsilon \psi \eta$
output（n）：$\alpha \pi o ́ \delta o \sigma \eta, \pi \alpha \varrho \alpha-$ $\gamma \omega \gamma \eta$（ $\left.\mu \eta \chi \alpha \nu \eta)^{\prime}\right)$
overall（adj）：o $\lambda \iota x o ́ s$
overall length ：$\sigma u v \circ \lambda \iota x o ́ \mu \eta$－ нos $\pi \lambda$ oíov
overboard（adj）：$\sigma \tau \eta ~ \theta \alpha ́ \lambda \alpha \sigma-$
$\sigma \alpha, \alpha \pi о ́ ~ \tau о ~ \pi \lambda о$ о́о，$\pi \tau \omega \sigma \eta ~ \alpha \pi o ́$ то $\pi \lambda$ оío бтๆ $\theta \alpha ́ \lambda \alpha \sigma \sigma \alpha$
overcast（adj）：$\sigma v v \nu \varepsilon \varphi \iota \alpha \sigma \mu \varepsilon$－

overdue（adj）：$\kappa \alpha \theta$ обє＠ŋиє́－ vos
overhang（v）：$\pi \varrho о \varepsilon \xi \varepsilon ́ \chi \omega$ ，$\varepsilon \pi \iota-$ и＠є́ $\mu$ оидı
overhaul（v）：$\varepsilon \xi \varepsilon \tau \alpha ́ \zeta \omega, \varepsilon \pi \iota \theta \varepsilon-$ $\omega \varrho \omega ́$（ $\pi \cdot \chi \cdot \mu \eta \chi \alpha v \varepsilon ́ \varsigma) ~ \lambda \varepsilon \pi \tau о \mu \varepsilon-$ ＠$\varrho$
overtake（v）：л＠облє＠vб́

## $\mathbf{P p}$

pack（v）：лахєт $\varrho(\omega$
paperwork（n）：$ү \varrho \alpha \varphi ı \varkappa \eta ́ ~ \varepsilon \varrho-$ $\gamma \alpha \sigma i ́ \alpha$
parachute（n）：$\alpha \lambda \varepsilon \xi$ íл $\tau \omega \tau 0$ paramount（adj）：$\alpha v \omega ́ \tau \alpha \tau \circ \varsigma$, úభıбтทs бףuaбías
particles（n）：$\varkappa о \mu \mu \alpha \tau \alpha ́ \varkappa ı \alpha, \mu о ́-$ ＠ı $\alpha$
passage（n）：عıбıтท́＠ьo $\theta \alpha \lambda \alpha \sigma-$ бเvov́ $\tau \alpha \xi ı \delta ı v ́, ~ \delta ı \alpha ́ \beta \alpha \sigma \eta, ~ \delta i ́ o-~$

passenger（np）：$\varepsilon \pi \iota \beta \alpha ́ \tau \eta \varsigma$ passenger－ship／liner（n）：$\varepsilon \pi \iota-$ $\beta \alpha \tau \eta \gamma o ́ ~ \pi \lambda$ оío patch（n）：$\mu$ ıœо́ жо $\mu$ о́ть （оці́ $\chi \lambda \eta \varsigma)$
patrol boat ：лع＠ıло $\lambda \iota x о ́$
$\pi \lambda$ оío，ахтаı $\omega$＠ós
peninsula（n）：$\chi$ ¢ Øбо́vŋбоऽ
per cent ：兀oıऽ єみа兀ó
performance（n）：$\varepsilon \nsim \tau \varepsilon ́ \lambda \varepsilon \sigma \eta$ ， $\varepsilon \pi i ́ \delta o \sigma \eta$
personnel（n）：л＠об $\omega \pi \iota \propto$
pertain（v）：аvŋ́r $\omega$ ，бұعтí̧o－
$\mu \alpha ı$
petrol（n）：$\beta \varepsilon \nu \zeta$ 亿́v $\eta$
petty officer（n）：v $\mathbf{v} \alpha \xi \iota \omega \mu \alpha \tau \iota-$ みós
physically（adv）：$\sigma \omega \mu \alpha \tau \iota \alpha \alpha$
pilot（n）：$\pi ı \lambda o ́ \tau \circ \varsigma$
pilot boat ：$\pi \lambda о \eta \gamma \iota \kappa$ ó $\pi \lambda$ оíо （ $\pi \iota \lambda$ отıќ＠$\alpha$ ）
pipe（n）：$\chi \alpha ́ \lambda$ жıvos $\sigma \omega \lambda \eta ́ v \alpha \varsigma$,

## $\alpha \gamma \omega \gamma$ ós

pipeline（n）：$\alpha \gamma \omega \gamma$ ós $\delta \iota \alpha-$
$\sigma \cup v \delta \varepsilon \sigma \sigma \omega \varsigma, ~ \gamma \alpha v \alpha ́ \lambda_{\mathrm{ı}}$ in the
pipeline：$\sigma \varepsilon \varepsilon \xi \varepsilon ́ \lambda_{1} \xi \eta$
piston（n）：$\varepsilon$ ќ $\beta \circ \lambda_{0}$
piston stroke ：$\delta \iota \alpha \delta \varrho о \mu \eta ́ \varepsilon \mu$－乃ó ${ }^{\text {pov }}$
pitch（n，v）：$\beta \dot{\eta} \mu \alpha$ ह́ $\lambda ı x \alpha \varsigma$, $\beta \eta ́ \mu \alpha$ нох入ía，бжацлаvєßа́亐 $\omega$
plain（adj）：$\alpha \pi \lambda$ ós
plank（n）：$\sigma \alpha v i ́ \delta \alpha$
plant（n）：$\varepsilon \gamma \mu \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta$（ $\mu \eta$－ $\chi \alpha v \omega ́ v \lambda \lambda \pi), \mu \eta \chi \alpha v \eta \mu^{\prime} \alpha \tau \alpha$
plastics（n）：$\pi \lambda \alpha \sigma \tau \iota x \varepsilon ์ \varsigma ~ v ́ \lambda \varepsilon \varsigma$ plot（v）：алотvлб́v $\sigma$ бто $\chi \alpha ́ \varrho-$ $\tau \eta$ то отí $\mu \mu \alpha$ тоv $\pi \lambda$ oíov
plunger（n）：$\varepsilon \mu \beta о \lambda \sigma \beta v \theta i ́ \sigma \varepsilon \omega \varsigma$
plug（n）：$\beta$ v́б $\mu \alpha$ ，＠$\varepsilon v \mu \alpha \tau о \lambda \eta$ ŋ－
$\pi \tau \eta ร$
plus（adv）：$\sigma u v$
poison（n）：$\delta \eta \lambda \eta \tau \eta \varrho ⿺$
poisonous（adj）：$\delta \eta \lambda \eta \tau \eta \varrho \iota \omega-$ $\delta \eta \zeta$
pollute（v）：＠uлаív $\omega$
polluter（n）：＠ข

pollution（n）：$\mu$ ó $\lambda \omega v \sigma \eta$ poop（n）：$\varepsilon \pi i ́ \sigma \tau \varepsilon \gamma \circ$（vлを＠жа－ $\tau \alpha \sigma \chi \varepsilon v \eta ́ \sigma \tau \eta \nu \pi \varrho \cup ́ \mu \nu \eta ~ \tau о \cup$ $\pi \lambda \mathrm{oíov})$
poor（visibility）（adj）：$\mu \iota \varkappa \varrho \emptyset$, жажท́（о＠ато́тŋта）
populations（n）：$\lambda \alpha o i ́$
port（adj，adv）：a＠ıбtع＠óऽ， а＠เбтع＠
port（n）：$\alpha \varrho \iota \sigma \tau \varepsilon \varrho \eta ́ \pi \lambda \varepsilon v \varrho \alpha ́$
रov $\pi \lambda$ oíov，$\lambda \iota \mu \alpha ́ v \iota ~ t o ~ p u t ~ i n ~ a t ~$
port：$\varepsilon \iota \sigma \pi \lambda \varepsilon ́ \omega ~ \sigma \varepsilon ~ \lambda \iota \mu \alpha ́ v \iota, ~ \pi \varrho о-~$ бо＠иі́کоиаı
port bow ：$\alpha \varrho \iota \sigma \tau \varepsilon \varrho \eta ́ \pi \lambda \varepsilon v \varrho \alpha ́$ $\pi \lambda$ oíov
port light ：$\alpha \varrho \iota \sigma \tau \varepsilon \varrho o ́ s ~ \pi \lambda \varepsilon v \varrho \iota-$ жós بavós
portable（adj）：甲о＠ŋтós position（n）：$\theta \varepsilon ́ \sigma \eta$ ，бтí $\gamma \mu \alpha$ power（n）：เซхv́ऽ，бúv $\alpha \mu \eta$

power boat（n）：$\varepsilon \lambda ı$ коív $\eta$ то ожо́цоร
practicable（adj）：$\varepsilon \varphi \propto \varrho \mu$ óбı－ $\mu \mathrm{o}$
practice（n）：$\pi \varrho \alpha \varkappa \tau \iota \varkappa \eta$ precaution（n）：$\pi \varrho \circ \varphi v ́ \lambda \alpha \xi \eta$ ， л＠óvota
precede（v）：л＠опүоч́ $\mu$ и
precise（adj）：$\alpha \propto \varrho \iota \beta$ ŋ́
prefabricate（v）：л＠ож $\alpha \tau \alpha-$
бนعvá亐 $\omega$
pressure（n）：$\pi i \varepsilon \sigma \eta$
presumably（adv）：$\pi \iota \theta \alpha v \omega$ ， $\varepsilon v \delta \varepsilon \chi \circ \mu \varepsilon ์ \omega \omega$
prevent（v）：$\varepsilon \mu \pi \sigma \delta i ́ \zeta \omega$ ，л＠о－
$\lambda \alpha \mu \beta \alpha ́ v \omega$ ，$\alpha \tau о \tau \varrho \varepsilon ́ л \omega$
probable（adj）：$\pi \iota \theta \alpha v \omega ́ s$
proceed（v）：$兀 \varrho \circ \chi \omega \varrho \omega ́, \pi \lambda \varepsilon ́ \omega$ ，

procedure（n）：$\delta \iota \alpha \delta ı x \alpha \sigma i ́ \alpha$ prohibit（v）：$\alpha \pi \alpha \gamma \circ \varrho \varepsilon v ́ \omega$
promenade（n）：$\pi \varepsilon \varrho$ íл $\alpha \tau \circ \varsigma$
promenade deck（n）：$\sim \alpha \tau \alpha ́-$
от＠$\omega \mu \alpha$ л $\varepsilon \varrho \iota \tau \alpha ́ \tau \circ v$（ $\varepsilon \pi \iota \beta \alpha \tau \eta-$ үov́）
prominent（adj）：$\pi \varepsilon \varrho \check{\rho} \beta \lambda \varepsilon$－
$\pi \tau \circ \varsigma, \pi \varrho \circ \varepsilon \xi \varepsilon ́ \chi \omega \nu$
promenade deck（n）：r $\alpha \tau \alpha ́-$ бт＠$\omega \alpha$ лє＠ıло́тоv єлı $\beta \alpha \tau \eta \gamma о и ́$
promotion（n）：л＠оаү $\omega \gamma \dot{\eta}$
prompt（adj）：$\tau \alpha \chi \cup ́ \varsigma, \alpha ́ \mu \varepsilon \sigma \circ \varsigma$ promptly（adv）：$\alpha \mu \varepsilon ́ \sigma \omega \varsigma, ~ \gamma \varrho \eta ́-$ زoga
propeller（n）：$\varepsilon \lambda_{ı} x \alpha \varsigma, \pi \varrho о \pi \varepsilon ́-$ $\lambda \alpha$
propeller shaft（n）：$\alpha \xi_{o v a s}$ ع́лıxas
 жтๆбía
propulsion（n）：л＠обөŋбๆ， $\pi \varrho o ́ \omega \sigma \eta$
propulsive（adj）：$\pi \varrho \circ \omega \theta \eta \tau \iota-$ нós
prospective（adj）：$\mu \varepsilon \lambda \lambda \mathrm{ov} \mathrm{\tau} \mathrm{\iota}-$
нós，$\pi \iota \theta \alpha v o ́ s$
protect（v）：л＠обт $\alpha \tau \varepsilon$ v́ $\omega$ ，л＠о－甲u入áб $\sigma \omega$
protective（adj）：л＠обт $\alpha \tau \varepsilon v \tau \iota-$ rós
provide（v）：$\pi \alpha \varrho \varepsilon ́ \chi \omega$
provisions（n）：$兀 \varrho о \mu \eta$ $\theta \varepsilon \iota \varepsilon \varsigma$,

ठıато́ $\varepsilon \varepsilon เ \varsigma ~ v o ́ \mu о v, ~ \pi \varrho о \beta \lambda \varepsilon ́ \psi \varepsilon ı \varsigma ~$
prow（n）：$\pi \lambda \omega \varrho \eta, \pi \varrho \omega \varrho \alpha$
pshychrometer（n）：$\psi v \chi \varrho о ́ \mu \varepsilon-$ т＠о，vү＠о́ $\mu \varepsilon \tau \varrho о$
publication（n）：є́ $\delta \delta \circ \sigma \eta, \delta \eta$－ $\mu о \sigma i ́ \varepsilon v \mu \alpha$
pump（n）：$\alpha \nu \tau \lambda i ́ \alpha$ suction
pump（n）：$\alpha v \tau \lambda i ́ \alpha ~ \alpha \vee \alpha \varrho-$
＠очи́бєんऽ
pumping（n）：óv $\tau \lambda \eta \sigma \eta$
pumpman（n）：$\alpha v \tau \lambda \iota \omega$＠ós
purser（n）：$\lambda \mathrm{o} \gamma \iota \sigma \tau \eta ́ s ~ \pi \lambda$ oíov

## Qq

quadrant（n）：$\pi \lambda \omega \tau \iota \nprec o ́ \varsigma \tau \varepsilon-$ т＠ás（ $\pi \alpha \lambda ı o ́ ~ v \alpha v \tau ı x o ́ ~ o ́ \varrho \gamma \alpha v o ~$ лоч то $\chi \varrho \eta \sigma ц \mu о л о เ о и ́ \sigma \alpha \nu ~ \gamma ı \alpha ~$ $\tau \eta \mu \varepsilon ́ \tau \varrho \eta \sigma \eta$ тоv v́భоvऽ $\tau \omega \nu$ ov－ ＠aví $\omega \vee$ б $\omega \mu \alpha ́ \tau \omega \nu \mu \varepsilon ́ \chi \varrho \iota ~ 90^{\circ}$ ） qualification（n）：兀＠обóv quarter（n）：то $\sigma \tau \varrho о \gamma \gamma \nu \lambda$ ó $\tau \mu \eta ́ \mu \alpha$ тоv $\pi \lambda$ оíov $\varepsilon \mu \alpha \tau \varepsilon \varrho \omega \theta \varepsilon v$ $\tau \eta \zeta \pi \varrho \cup ́ \mu \nu \eta \varsigma, ~ เ \sigma \chi \cup ́ o v, ~ \tau \varepsilon ́ \tau \alpha \varrho \tau о ~$
 $\tau \alpha \sigma \tau \varrho \omega ́ \mu \alpha \tau о \varsigma$
quarter deck（n）：$\pi \varrho \cup \mu \nu \alpha i ́ o$ тиŋ́ $\mu \alpha$ тоv $\alpha v \omega ́ \tau \varepsilon \varrho о v ~ н \alpha \tau \alpha-$ бт＠б́ $\alpha$ тоร
quarters（n）：$\delta \iota \alpha \mu \varepsilon \varrho i ́ \sigma \mu \alpha \tau \alpha$
 $\varepsilon \pi \iota \beta \alpha \tau \omega ้$ ）
quell（v）：$\varkappa \alpha \lambda \mu \alpha ́ \varrho \omega, ~ \varkappa \alpha \tau \varepsilon v v \alpha ́-~$
$\xi \omega, x \alpha \tau \alpha \pi v i ́ \gamma \omega$
quay（n）：$\alpha \pi o \beta \alpha ́ \theta \varrho \alpha \varepsilon \pi \iota \beta \alpha-$
 ＠о́үıо
quotation（n）：л＠обчє＠о́ $\mu \varepsilon \vee \eta$ $\tau ц и ̆$
quote（v）：л＠обрє́＠$\omega \tau \mu \eta$ ， $\varepsilon \pi \alpha \nu \alpha \lambda \alpha \mu \beta \alpha ́ v \omega \alpha v \tau 0 \lambda \varepsilon \xi \varepsilon$ í（ $\sigma \varepsilon$ عıбаү $\omega \gamma \iota \nsim \alpha)$
quotient（n）：$\pi \eta \lambda i ́ x o$

## $\mathbf{R r}$

radar（n）：＠avтó́＠
radar reflector（n）：$\alpha v \alpha \kappa \lambda \alpha-$ бтท́＠аs＠avтá＠
radio（n）：$\alpha \sigma$ v́Q $\mu \alpha \tau \circ \varsigma$
radio officer（n）：$\alpha \sigma \cup \varrho \mu \alpha \tau \iota-$ бтท́s
radio room（n）：$\theta \alpha ́ \lambda \alpha \mu \sigma \zeta$ $\alpha \sigma v \varrho \mu \alpha ́ \tau о v, ~ \sigma \tau \alpha \theta \mu о ́ \varsigma$
radio telephony ：$\alpha \sigma$ ч́ $\mu \alpha \tau \sigma \varsigma$
$\tau \eta \lambda \varepsilon \varphi \omega v i ́ \alpha$
 бนov́
railings（n）：л＠обт $\alpha \tau \varepsilon \tau \tau \not \alpha \alpha ́$ жıү $\lambda \lambda$ ı $\delta \dot{\mu} \alpha \tau \alpha$
rain（n）：$\beta \varrho о \chi \eta ́$
rainfall（n）：$\wp \varrho о \chi о ́ \pi \tau \omega \sigma \eta$
$\operatorname{ram}(v): \varepsilon \mu \beta \circ \lambda i \zeta \omega$
range（n）：$\varepsilon \mu \beta \varepsilon ́ \lambda \varepsilon ı \alpha, \alpha \not \tau i ́ v \alpha$ ，
$\pi \varepsilon \delta i ́ o, ~ \delta \iota \alpha x ч ́ \mu \alpha \nu \sigma \eta, ~ x \lambda i ́ \mu \alpha x \alpha$
$\operatorname{rank}(\mathbf{n}): \beta \alpha \theta \mu$ ós
rate（n，v）：$\alpha v \alpha \lambda \sigma \gamma i ́ \alpha, \mu \varepsilon ́ \sigma o \varsigma$
 ration（n）：$\mu \varepsilon \varrho i ́ \delta \alpha, ~ \sigma \iota \tau \eta \varrho \varepsilon ́ \sigma เ ๐ ~$
rear（adj）：олíбӨเоऽ
receptable（n）：ঠoхعío
receiver（n）：$\delta \varepsilon ́ \nsim \tau \eta \varsigma ~(\alpha \sigma v \varrho \mu \alpha ́-$ тоv），$\tau \alpha \varrho \alpha \lambda \eta ́ \pi \tau \eta ร$
reception facilities：$\varepsilon \cup \nsim 0 \lambda$ í $\varsigma$ ขлобохŋ́s छп＠ás
reciprocating（adj）：$\pi \alpha \lambda \iota v-$ б＠оитко́s
recommendation（ $\mathbf{n}$ ）：$\sigma$ v́ $\tau \alpha-$ бך，vло́ס $\varepsilon เ \xi \eta$
reduce（v）：$\varepsilon \lambda \alpha \tau \tau \omega v \omega, \mu \varepsilon \iota \omega v \omega$ reef（n）：$\sigma \chi o ́ \pi \varepsilon \lambda \sigma \zeta$
reference（n）：$\sigma v ́ \sigma \tau \alpha \sigma \eta$
refined products ：$\delta เ v \lambda ı \sigma \mu \varepsilon ́ v \alpha$ ， $\varkappa \alpha \theta \alpha \varrho \iota \sigma \mu \varepsilon ́ v \alpha$ л＠оїо́vт $\alpha$
refrigerated cargo ：$x \alpha \tau \varepsilon \psi \cup \gamma$－ $\mu \varepsilon ́ v o ~ \varphi o \varrho \tau i ́ o ~$
regard，with regard to ：व́ $\psi \eta, \sigma \varepsilon \sigma \chi \varepsilon ́ \sigma \eta \mu \varepsilon, \alpha \pi o ́ \tau \eta v \alpha ́ \pi o-$ $\psi \eta$
regulation（n）：$\sim \alpha v o v ı \sigma \mu o ́ s$
relative（adj）：$\sigma \chi \varepsilon \tau \iota \kappa o ́ \varsigma$ relative velocity ：$\sigma \chi \varepsilon \tau \iota \not ŋ ́ \tau \alpha-$ $\chi$ б́тๆт $\alpha$
reliable（adj）：$\alpha \xi \iota o ́ \pi \iota \sigma \tau \circ \varsigma$
remedy（n，v）：$\delta \iota o ́ \varrho \theta \omega \sigma \eta ~(\beta \lambda \alpha ́-$
$\beta \eta \varsigma), \delta \iota \varrho \theta \omega \downarrow \omega$
remote（adj）：$\alpha \pi о \mu \alpha \kappa \varrho \cup \sigma \mu \varepsilon$－
vos
remuneration（n）：$\alpha \mu \circ \_\beta \dot{\eta}$,
$\alpha \pi о \zeta \eta \mu i ́ \omega \sigma \eta, \pi \lambda \eta \varrho \omega \mu \eta$
repair（ $\mathbf{v}, \mathbf{n}$ ）：$\varepsilon \pi \iota \sigma \varkappa \varepsilon v \alpha ́ \zeta \omega$ ， єлıбนєขŋ́，
under repair ：$\gamma \iota \alpha$ єл兀бжєvŋ́ representative（adj）：$\alpha \nu \tau \iota \pi \varrho о-$ бんлєขтוxо́s
requirement（n）：$\alpha \pi \alpha i ́ t \eta \sigma \eta$ ， $\alpha \nu \alpha ́ \gamma \varkappa \eta$ ，л＠оӥло́ $\theta \varepsilon \sigma \eta$ rescue $(\mathbf{v}, \mathbf{n}): \sigma \omega \zeta \omega, \delta \iota \alpha \sigma \omega \zeta \omega$ ， owtๆ＠í, ，$\delta \alpha ́ \sigma \omega \sigma \eta$
research（n）：દ́＠$\varepsilon \cup v \alpha$
resistance（n）：$\alpha v \tau i ́ \sigma \tau \alpha \sigma \eta$
resources（n）：ло́＠оь，$\mu \varepsilon ́ \sigma \alpha$ ， $\pi \eta \gamma \varepsilon ́ \varsigma$
respectively（adj）：$\alpha v \tau i ́ \sigma \tau \circ \iota \chi \alpha$ restricted ：$\pi \varepsilon \varrho เ ๐ \varrho \iota \sigma \mu \varepsilon ́ v o \varsigma$ retard（v）：$\varepsilon \pi \iota \beta \varrho \alpha \delta u ́ v \omega$ revolution（n）：$\sigma \tau \varrho \varrho \eta$ ，$\pi \varepsilon \varrho \iota-$ от＠ори
revolutions per minute（rpm）： （лع＠ı）бт＠оৎع́ऽ $\alpha v \alpha ́ \quad \lambda \varepsilon \pi \tau о ́$ rig（v）：$\varepsilon \xi \alpha \varrho \tau i ́ \zeta \omega \pi \lambda$ о́́o，$\alpha \varrho \mu \alpha-$ $\tau \omega \cup \omega$（ $\pi \lambda о$ о́о），$\varepsilon \xi$ ол $\lambda i ́ \zeta \omega$ ，толо－ $\theta \varepsilon \tau \omega ́$
ring（n）：$\delta \alpha x \tau v ́ \lambda ı \circ \varsigma, \alpha \vee \varepsilon ́ \lambda ०$ ， หоч入ои́＠ı
ripple（n）：$\varepsilon \lambda \alpha \varphi \varrho o ́ s ~ \chi ข \mu \alpha \tau \iota-$ бนós тทऽ Өа́ $\lambda \alpha \sigma \sigma \alpha \varsigma, ~ \varrho ข \tau i ́ \delta \omega \sigma \eta$ risk（n）：xívঠuvos，＠íбxo
river（n）：лотанós
$\operatorname{rod}(\mathbf{n}): \delta \iota \omega \sigma \tau \eta ́ \varrho \alpha \varsigma, ~ \varrho \alpha ́ \beta \delta о \varsigma$, connecting rod（n）：$\delta \iota \omega$－
отท́＠аs，$\beta \alpha ́ x т \varrho о ~ \varepsilon \mu \beta о ́ \lambda о v ~$
$\operatorname{rocker}(\mathbf{n}):$ đó ${ }^{\circ} \mathrm{o}$
rocker arm（n）：$\zeta \dot{\gamma} \omega \omega \varrho \varrho$ ，$\mu$ о－
 баs（xv．жожо＠а́ $x$ ）
roll（v）：$\chi v \lambda i ́ \omega$ ，$\chi v \lambda i ́ o \mu \alpha ı, ~ \mu л о-~$ $\tau \zeta \alpha ́ \varrho \omega$
roll－call（n，）：$x \lambda \eta \sigma \eta \gamma / \alpha \sigma v-$ $\gamma \varkappa \varepsilon ́ v \tau \varrho \omega \sigma \eta, \varkappa \alpha \lambda \omega \dot{\sigma} \sigma \sigma \cup ́ v \alpha \xi \eta$ rolls of steel ：＠ó $\lambda$ ot $\varepsilon \lambda \alpha \sigma \mu \alpha ́-$ $\tau \omega v \chi \alpha ́ \lambda \nu \beta \alpha$
rope（n）：бxoıví
rotary（adj）：лє＠เбт＠очıхо́ऽ
rotate（v）：$\pi \varepsilon \varrho \iota \sigma \tau \varrho \varepsilon ́ \varphi \omega / \sigma \mu \alpha \iota$

rotor（n）：бт＠очعío（ $\chi \nu$ ．＠о́то－ ＠as）
rough（adj）：$\varkappa ข \mu \alpha \tau \omega ́ \delta \eta \varsigma ~(~(~ \alpha ́ \alpha-~$ $\lambda \alpha \sigma \sigma \alpha), \tau \varrho \alpha \chi \cup ́ \varsigma, \alpha \not \alpha \tau \varepsilon \varrho \gamma \alpha-$
 ＠óг）$\theta v \varepsilon \lambda \lambda \omega ́ \delta \eta \varsigma, \pi . \chi$ ．the sea is rough／calm
row（v，n）：$\sigma \varepsilon \iota \varrho \alpha ́, ~ \varkappa \omega \pi \eta \lambda \alpha \tau \omega$
row－boat（n）：$\varkappa \omega \pi \eta ́ \lambda \alpha \tau \eta ~ \beta \alpha ́ \varrho-$
$\mu \alpha$
rowlocks（n）：ठíx＠ но́s
rudder（n）：$\pi \eta \delta \alpha ́ \lambda ı \circ$
rubber（n）：$\varepsilon \lambda \alpha \sigma \tau \iota \nprec o ́, \gamma \alpha \sigma v-$ тбоч́x
rudder tiller（n）：oí $\alpha \xi$（ $火 v . \lambda \alpha-$ үоибє́ $\alpha$ ）
run（v）：$\lambda \varepsilon \iota \tau \circ \cup \varrho \gamma \omega$ ，火＠$\tau \omega \dot{\omega} \sigma \varepsilon$ $\lambda \varepsilon \iota \tau \circ \cup \varrho \gamma$ í $\alpha$
run aground（v）：$\varepsilon \xi \circ \neq \varepsilon i ́ \lambda \lambda \omega$ ， л＠oб $\varrho \alpha ́ \sigma \sigma \omega$
run into danger ：$\varkappa \iota v \delta u v \varepsilon v ́ \omega$ running（n）：$\lambda \varepsilon \iota \tau 0 v \varrho \gamma i ́ \alpha \mu \eta$－ $\chi \alpha \vee \eta ́ s$

## Ss

sack（n）：бव́ $\neq$ ک safety（n）：$\alpha \sigma \varphi \alpha ́ \lambda \varepsilon ı \alpha$
sail（n，v）：ı $\sigma \tau i ́ o, ~ \pi \alpha v i ́ ~$
sailing boat ：เбтьочо́＠о
sailor（np）：vav́тๆร，vavтıxós
sailing－ship ：ıбтıочо́＠о $\pi \lambda$ оío
salary（n）：$\mu \iota \sigma \theta$ ó $\varsigma, \alpha \pi о \delta о \chi \varepsilon ́ \varsigma ~$
saloon（n）：$\alpha i ́ \theta o v \sigma \alpha, \sigma \alpha \lambda o ́ v ı$ $\pi \lambda$ oíov
salvage（n，v）：$\delta \iota \alpha ́ \sigma \omega \sigma \eta \pi \lambda \circ$ ó－ ov，єлı $\theta \alpha \lambda \alpha ́ \sigma \sigma \iota \alpha \alpha \varrho \omega \gamma \eta ́$
 $\chi \varepsilon ́ \tau \varepsilon \cup \sigma \eta$
satellite（n）：ठо＠vчó＠os
scale（n）：$\quad \lambda$ í $\alpha ж \alpha$
scavenge（v）：$\sigma \alpha \varrho \omega ́ v \omega, \gamma \alpha \theta \alpha-$ ＠íઈん
scavenge／scavenging air ：$\alpha$ ह́－




scavenge pump ：$\alpha v \tau \lambda i ́ \alpha$ бఎ＠ǿбとんऽ
schedule（n）：¿＠оцодо́үьо $\pi \lambda$ oíov
screw（ $\mathbf{n}, \mathbf{v}$ ）：$\beta i ́ \delta \alpha, \beta \iota \delta \omega \dot{v} \omega$
screwdriver（n）：$\chi \alpha \tau \sigma \alpha \beta i ́ \delta \iota$
scrub（v）：七＠íß $\omega, \gamma \alpha \theta \propto \varrho i ́ \zeta \omega$ ，

scull（n）：ццбо́ жоилí
sea（n）：$\theta \alpha \dot{\lambda} \lambda \alpha \sigma \sigma \alpha$
seagull（n）：$\gamma \lambda \alpha ́ \varrho o \varsigma$
sea like a mirror ：$\gamma \alpha \lambda \eta \gamma^{\prime} \eta$ ，$\theta$ 人́－ $\lambda \alpha \sigma \sigma \alpha \lambda \alpha ́ \delta \iota, \mu \pi о \vee \alpha ́ \tau \sigma \alpha$ sea trial（n）：божıцŋ́ vєо́тєv－ жтоv л $\lambda$ oíov
seaman（np）：vavtixós seamark（n）：фव́＠оऽ，бпиа－

 $\tau \omega v$ vavtı $\lambda \lambda$ о $\mu \varepsilon ́ v \omega v$
search（v，n）：є＠єuvǿ，દ́＠єuva Second dog watch ： $6-8 \mu . \mu$ ．（ $\beta \lambda$ ． watch）
second mate（np）：ठєv́tع＠oऽ $\alpha \xi \iota \omega \mu \alpha \tau \iota \varkappa о ́ s$
second officer（n）：20 $\pi \lambda 0$ oí－ ц＠Хоऽ，аvӨилол $\lambda$ оі́ $\varrho \chi о \varsigma ~$ segregated ballast ：$\delta \iota \alpha \chi \omega \varrho-$ биモ́vo દ́＠иа
segregated ballast tank：$\delta \varepsilon$－ $\xi \alpha \mu \varepsilon v \eta ́ ~ \delta ı \alpha \chi \omega \varrho \iota \sigma \mu \varepsilon ́ v o v ~ \varepsilon ́ \varrho \mu \alpha-$ тos
seismic（adj）：бєıбцィхо́ऽ
senior（adj）：$\alpha v \omega ́ \tau \varepsilon \varrho о \varsigma$
sextant（n）：$\varepsilon \xi \alpha \alpha^{v} \tau \alpha \varsigma$
shackle（n）：$\alpha \gamma r u ́ \lambda ı o ~ \alpha \lambda v \sigma i ́-$

 of water）
shaft（n）：$\alpha \xi^{\prime} o v \alpha{ }^{\prime}$
shaft horse power（shp）：$\alpha \xi$ o－

shallow（adj）：＠$\eta$ Øós
shank（n）：óт＠$\alpha ж \tau о \varsigma, ~ \alpha \delta \varrho \alpha ́ \chi \tau \iota$
shed（ $\mathbf{n}$ ）：vло́бтєүo
shift（ $\mathbf{n}, \mathbf{v}$ ）：$\beta \alpha{ }_{\alpha} \varrho \delta \iota \alpha, \mu \varepsilon \tau \alpha \tau o ́ \pi \iota-$

shifting（n）：$\mu \varepsilon \tau \alpha \tau о ́ л 兀 \sigma \eta ~ \varphi о \varrho-$ tíov
ship（ $\mathbf{n}, \mathbf{v}$ ）：л $\lambda$ оі́о，фо＠тб́v $\omega$ ， $\varepsilon \pi \iota \beta \iota \beta \dot{́} \zeta \omega$ ，
a good ship：$\alpha \sigma \varphi \alpha \lambda \varepsilon ́ \varsigma ~ \pi \lambda о$ óo shipbuilding（n）：vavлท́ $\eta \eta \sigma \eta$ ， vavлๆүเฉи
shipbuilding yard（n）：vavлๆ－ үعío，жø＠vó $\gamma$ ıо
shipper（ $\mathbf{n}$ ）：甲о＠тштท́s
shipping（n）：vavøルл vautilía
ship＇s articles（n）：$\sigma \nu \mu \varphi \omega v \eta$－
 ＠б́цатоऽ，vаитодо́үго
shoal（n）：ט́qалоऽ
shoot（v）：$\alpha v \iota \chi v \varepsilon v ́ \omega$（ $\beta \lambda \alpha ́ \beta \eta$ $\sigma \varepsilon \mu \eta \chi \alpha \nu \eta ́)$
shore（n）：$\alpha \varkappa \tau \eta$ ，$\pi \alpha \varrho \alpha \lambda i ́ \alpha$
shower（n）：$\mu \pi$ о́＠$\alpha, \delta u v \alpha \tau$ 亿́

sight（n，v）：$\theta \varepsilon ́ \alpha$ ，о́＠$\alpha \sigma \eta, ~ \alpha \xi ъ о-~$ $\theta \varepsilon ́ \alpha \tau о, \beta \lambda \varepsilon ́ \pi \omega$
signal（n，v）：бŋ́ $\mu \alpha$, б $\eta \mu \alpha i ́ v \omega$
significant（adj）：бпиаvт兀ъós
silence period ：$\pi \varepsilon @ i ́ o \delta o \varsigma ~ \sigma t-~$ $\gamma$ ท́s
$\operatorname{sink}(v): \beta v \theta i \zeta o \mu \alpha ı, \beta v \theta i \zeta \omega$ ， ßоu入ıóち．
size（n）：$\mu \varepsilon ́ \gamma \varepsilon \theta$ оऽ
 $\gamma$ भ́s uүœoú
skipper（n）：$\pi \lambda$ oí ${ }^{\circ} \chi \circ \varsigma \mu-$

 $\varphi \omega \sigma \eta$
sleet（n）：ұюоб́v६＠о
slip（v）：$\gamma \lambda \iota \sigma \tau \varrho \omega ́, \pi \varepsilon ́ \varphi \tau \omega$
slip anchor（v）：$\alpha \varphi \eta ์ v \omega \tau \eta v$
 $\sigma \tau \eta ~ \theta \alpha ́ \lambda \alpha \sigma \sigma \sigma \alpha, \mu о \lambda \alpha ́ \varrho \omega$
slipway（n）：vavлๆ $\gamma$ เкŋ́ к入ívๆ， ขєблдıо
slow ahead ：л＠óбш ŋ́＠є $\mu \alpha$
sludge（n）：$\lambda \alpha ́ \sigma \pi \eta \eta, ~ \varkappa \alpha \tau \alpha \varkappa \alpha ́ \theta \iota ~$
vүoǿv
sludges（n）：$\beta \alpha \varrho \iota \alpha ́$ лєт＠$\lambda \alpha \iota \circ-$

software（n）：خоүıбцıхо́
solid（adj，n）：бтє＠єós，бтع＠є－ ó

 $\omega v, \varkappa \alpha \tau \alpha \delta v \circ \mu \varepsilon ́ v \omega v ~ \alpha \nu \tau \iota \varkappa \varepsilon ן \mu \varepsilon ́-$
$\nu \omega v$
source（n）：$\pi \eta \gamma \eta$ 亿
south（adj，n）：vótıo̧，vótos，
votıás，óбт＠ı
southeast（adj，n）：votıavato－入ıжо́s，vотıаvатодıжо́s а́vєцо丂， бœо́хоร
southwest（adj，n）：voтьoठviı－
 $\mu л и ̆ ร$
space（n）：$\chi$ ю́о
spanner（n）：жох入ıобт＠о́рєьо，

spark（n）：блıvӨŋ́ŋаऽ
spark plug（n）：бльvӨŋ＠เбти́s （xv．$\mu \pi 0 \cup \zeta$ ）
special purpose ship ：$\pi \lambda$ oío
 бжоло́
speed（n）：$\tau \alpha \chi$ и́т $\eta \tau \alpha$ speed service ：vлŋ९єбเажй $\tau \alpha-$
 т $\uparrow \tau \alpha$ тоv л $\lambda$ оíov чо＠тшиє́vоv $\mu \varepsilon ́ \chi \varrho \iota ~ \tau \eta ร ~ เ \sigma \alpha ́ \lambda о v ~ \gamma \varrho \alpha \mu \mu и ́ \varsigma, ~ \mu \varepsilon ~$

 ขонıжи́ тахи́тทта
spill（v）：$\chi$ ण́v $\omega, \chi$ б́vouaı
spillage（n）：ұ б́бцо
spiral（adj）：блદ๒＠оعı $\delta \eta ́ s, ~ \varepsilon \lambda_{\mathrm{l}}$ жоєıби́s
spontaneous（adj）：$\alpha v$ Өó＠u ${ }^{\text {－}}$ tos
spontaneous combustion ：$\alpha v$－ $\tau \alpha \vee \alpha ́ \varphi \lambda \varepsilon \xi \eta$
spontaneously（adv）：avӨóo－ $\mu \eta \tau \alpha$
spray（n，v）：$\psi \varepsilon \chi \alpha \sigma \mu o ́ s, ~ \psi \varepsilon \chi \alpha ́-$
$\zeta \omega$
spring（n）：$\varepsilon \lambda \alpha \tau$ ŋ́ю
sprinkler（n）：єжто $\varepsilon \varepsilon \cup \tau \eta ์ ร ~ v \varepsilon$－ ＠ov́
 square metres or meters ：$\tau \varepsilon$－ т＠$\alpha \beta \omega$ ขı $\alpha ́ \mu \varepsilon ́ \tau \varrho \alpha ~$
stable（adj）：$\sigma \tau \alpha \theta \varepsilon \varrho o ́ s, ~ \varepsilon v \sigma \tau \alpha-$ Өŋ́s
stabilizer（n）：$\sigma \tau \alpha \theta \varepsilon \varrho о л о ґ \eta-$ $\tau \eta{ }_{\tau}$
stability（n）：$\sigma \tau \alpha \theta \varepsilon \varrho o ́ \tau \eta \tau \alpha$ ， عvбто́ $\theta \varepsilon เ \alpha$
starboard（n）：$\delta \varepsilon \xi ı \alpha ́, \eta \delta \varepsilon \xi ı \alpha ́$ $\pi \lambda \varepsilon v \varrho \alpha ́ ~ \pi \lambda o i ́ o v$
starboard light ：$\delta \varepsilon \xi \iota o ́ \varsigma \pi \lambda \varepsilon v-$ ＠ıо́s بavós
state（n）：$x \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta$
state of sea ：$\kappa \alpha \tau \alpha ́ \sigma \tau \alpha \sigma \eta \theta \alpha-$ $\lambda \alpha ́ \sigma \sigma \eta \zeta$
（0 Beaufort）：$\gamma \alpha \lambda \eta{ }^{\prime} \nu \eta$
（1 Beaufort）：$\gamma \alpha \lambda \eta \sim \eta$
（2 Beaufort）：$\eta \varrho \varepsilon \mu \eta$
（3 Beaufort）：入í $\gamma$ o $\tau \alpha \propto \gamma$－ $\mu \varepsilon ́ v \eta$
（4 Beaufort）：$\lambda$ í $о$ о $\tau \varrho \alpha \gamma$－ $\mu \varepsilon ́ v \eta$ ع́ $\omega \varsigma ~ \tau \alpha \varrho \alpha \gamma \mu \varepsilon ́ v \eta$
（5 Beaufort）：$\tau \propto \propto \gamma \mu \varepsilon ́ v \eta$
（6 Beaufort）：xข $\alpha \alpha \tau \omega \delta \eta ร$
（7 Beaufort）：жข $\mu \alpha \tau \omega \delta \eta$ ร
 （8 Beaufort）：лоди́ жข $\alpha$－ $\tau \omega ́ \delta \eta \varsigma ~ \varepsilon ́ \omega \varsigma ~ \tau \varrho เ ж \cup \mu \iota \omega ́ \delta \eta ร$ （9 Beaufort）：т＠เжบนเю́бทऽ
（10 Beaufort）：лоди́ т＠เжv－ $\mu \iota \omega ́ \delta\rangle$
（11－12 Beaufort）：$\mu \alpha \iota$ о́ $\boldsymbol{\varepsilon}$－ $v \eta$
steam（n）：$\alpha \tau \mu o ́ \varsigma$
steamer（n）：$\alpha \tau \mu$ о́л $\lambda о ь$
steamship（n）：$\alpha \tau \mu$ о́л $\lambda \circ \circ$
steel（n）：$\chi \alpha ́ \lambda \nu \beta \alpha \varsigma, \alpha \tau \sigma \alpha ́ \lambda \iota$
steer（v）：$\pi \eta \delta \alpha \lambda \iota \sigma \chi \omega$ ，$\delta \iota \varepsilon v$－
 жиßع＠vб́
steering（n）：$\pi \eta \delta \alpha \lambda \iota v \chi i ́ \alpha, \tau \iota-$ $\mu$ оvıó＠ıб $\mu \alpha$
 $\pi \lambda \omega \varrho \eta \varsigma)$
stern（n）：$\pi \varrho v ́ \mu \eta, ~ \pi \varrho v ́ \mu \nu \eta$
stern light ：чаvós ко＠ǿvŋऽ，甲 $\alpha$ о́ऽ л＠ú $\mu \vee \eta \varsigma$
stern－post（n）：$\pi \sigma \delta o ́ \sigma \tau \eta \mu \alpha$
steward（np m），stewardess
（np f）：$\theta \alpha \lambda \alpha \mu \eta \pi o ́ \lambda \sigma \varsigma, \varkappa \alpha \mu \alpha-$ ＠ஸ́тоs
stock（n）：бтv́лоऽ а́ү тбítos
stock（v，n）：$\varepsilon \varphi о \delta \iota \alpha ́ \zeta \omega, \delta \eta \mu \iota-$ оv＠$\gamma \dot{\omega} \alpha \pi o ́ \theta \varepsilon \mu \alpha, \alpha \pi o ́ \theta \varepsilon \mu \alpha$
stopper pin（n）：$\alpha v \alpha \sigma \chi \varepsilon \tau \eta \varrho \alpha s$
storm（n）：$\sigma \varphi \circ \delta \varrho \eta ́ \theta u ́ \varepsilon \lambda \lambda \alpha$
stormy（adj）：$\theta v \varepsilon \lambda \lambda \omega ́ \delta \eta \zeta$
stow（v）：$\sigma \tau \circ \iota \beta \alpha \zeta^{\circ} \omega$
stowage（n）：$\sigma \tau \circ$ í $\beta \alpha \sigma \mu \alpha$ ，$\sigma \tau$ oí－
$\beta \alpha \gamma \mu \alpha$
stowaway（np）：$\lambda \alpha \theta \varrho \varepsilon \pi \iota \beta \alpha ́ \tau \eta \varsigma$
streak（n）：$\lambda \varepsilon$ чжós ач＠о́s，$\lambda \omega$－ ＠í $\delta \alpha$

2－stroke engine ：ठíx＠ovos xıvŋтŋ́＠as
4－stroke engine ：тعт＠á $\propto о-$ vos xıvŋти́＠as
strong breeze ：เб $\chi$＠ós（ávع－ $\mu \mathrm{o}$ ）
strong gale ：$\theta \dot{\varepsilon} \varepsilon \lambda \lambda \alpha$
structure（n）：$\kappa \alpha \tau \alpha \sigma \chi \varepsilon v \eta$
stunted（part）：лع＠เo＠เбนє́voऽ
submarine（ $\mathbf{n}, \mathbf{a d j}$ ）：vлоß＠ú $\not\llcorner$
submerge（v）：$\sim \alpha \tau \alpha \delta v ́ o \mu \alpha \iota$,

єлıчóvєı $\alpha$ тทऽ Ө人́入 $\alpha \sigma \sigma \alpha \varsigma$
submerged ：$\sigma \varkappa \varepsilon \pi \alpha \sigma \mu \varepsilon ́ v o \varsigma ~ \mu \varepsilon$

$\tau \eta v$ єлıца́vєı $\alpha$ тๆऽ Өа́ $\lambda \alpha \sigma \sigma \alpha \varsigma$,
$\beta \cup \theta \iota \sigma \mu$ ข́vos
subsequently（adv）：$\mu \varepsilon \tau \alpha ́ ~ \tau \alpha u ́-$
$\tau \alpha, \mu \varepsilon \tau \alpha \gamma \varepsilon v \varepsilon ́ \sigma \tau \varepsilon \varrho \alpha$
substance（n）：ovóí $\alpha$
suction（n）：ava＠＠ó $\eta \sigma \eta$ ，
suction pump（n）：$\alpha v \tau \lambda i ́ \alpha$
аv $\varrho \varrho о ч \eta ́ \sigma \varepsilon \omega \varsigma ~$
sufficient（adj）：a＠x\＆тós，
єла＠жи́ร
sugar（n）：$\zeta \alpha ́ \chi \alpha \varrho \eta$
sun（n）： ท́ $^{\prime}$ וos
sundry（adj）：סıó́qo＠os
sunny（n）：$\eta \lambda$ ıó ${ }^{\prime}$ оvoтoऽ
superimposed（adj）：vлع＠v－ $\psi \omega \mu \varepsilon ́ v o s$
superstructure（n）：vлع＠$\alpha$－
$\tau \alpha \sigma \chi \varepsilon v ́ \alpha \sigma \mu \alpha \pi \lambda$ оíov
supervise（v）：$\varepsilon \pi \iota \theta \varepsilon \omega \varrho \omega ́$
supply tank（n）：$\delta \varepsilon \xi \alpha \mu \varepsilon v \eta$
eчoбıaбuoú
surface（n）：$\varepsilon \pi \iota \varphi \alpha ́ v \varepsilon ı \alpha$
surface chart ：$\chi \alpha ́ \varrho \tau \eta \varsigma ~ \chi \alpha ı \varrho о v ́ ~$ елıра́vعıаs
surge（n）：$\mu \varepsilon \gamma \alpha ́ \lambda о$ жи́ $\mu \alpha, \tau \alpha \chi v ́ s$ жขцатıбио́s
survey（v，n）：$\varepsilon \xi \varepsilon \tau \alpha ́ \zeta \omega, \varepsilon \pi \iota \theta \varepsilon-$
$\omega \varrho \omega ́, ~ \varepsilon \pi \iota \theta \varepsilon \omega ́ \varrho \eta \sigma \eta$, દ́＠$\varepsilon \cup \vee \alpha$, $\alpha v \alpha \sigma$ о́лпбך
survey vessel ：$\pi \lambda$ oío $\pi \sigma \cup \delta \iota \varepsilon$－ ६á $\gamma \varepsilon \iota$ ع́＠єuv $\alpha$ survival（n）：$\varepsilon \pi \iota \beta i ́ \omega \sigma \eta$
survive（v）：$\varepsilon \pi \iota \beta \iota \omega) \omega$
survivor（n）：$\varepsilon \pi \iota \zeta \omega ́ v$
sustain（v）：бтๆ＠í̧ $\omega$ ，бuvтๆ－ ＠́́，ठuv $\alpha \mu \dot{\omega} \omega \omega$
suspend（v）：ava＠т $\omega$ ，єлıx＠$\varepsilon$－ $\mu \alpha \mu \alpha ı, \alpha เ \omega \varrho о \cup ́ \mu \alpha ı, \alpha \nu \alpha \sigma \tau \varepsilon ́ \lambda \lambda \omega$ ， $\beta \alpha ́ \zeta \omega$ бє $\delta \iota \alpha \theta \varepsilon \sigma \iota$ о́тๆ $\tau \alpha$ suspension（n）：$\alpha v \alpha ́ \varrho \tau \eta \sigma \eta$ sustenance（n）：$\sigma u v \tau \eta \varrho \eta \sigma \eta$ swell（n）：$\alpha \pi \sigma \theta \alpha \lambda \alpha \sigma \sigma i ́ \alpha, ~ \varphi o v-$ ожоӨа入абоьı́́（ $\varkappa \mu \mu \alpha \iota \sigma \mu o ́ s$ лоv л $\propto \varrho \alpha \mu \varepsilon ́ v \varepsilon ı ~ \mu \varepsilon \tau \alpha ́ ~ \tau \eta ~ \lambda \eta$－ $\xi \eta$ тทऽ аı兀ías лоv 兀ov л＠о－ жо́入єбєє），жขцатוбцо́s лоv $\pi \varrho о ж \alpha \lambda \varepsilon i ́ t \alpha \iota ~ \alpha \pi o ́ ~ \tau \eta ~ \delta เ \varepsilon ́ \lambda \varepsilon v-~$ бך $\alpha \lambda \lambda \mathrm{ov} \pi \lambda$ oíov．no swell low swell（short／average）： عvӨ $\alpha \lambda \alpha \sigma \sigma$ í（low swell long）：$\gamma \alpha \lambda \eta \dot{\eta}$（moderate swell average length）：oó－ $\lambda$ оऽ，т＠เхчиі́ $\alpha$（moderate swell long）：$\varepsilon \pi i ́ \sigma \alpha \lambda \mathrm{o}$ ， чочœтои́va
（moderate swell short）：xu－ uatıoтós（heavy swell short／average）：$\kappa \lambda v \delta \omega ́ v เ$ ， $\mu \varepsilon \gamma \alpha ́ \lambda \eta$ чоч＠тои́vа （heavy swell long）：$\mu$ aıvó－ $\mu \varepsilon v \eta, \chi о v \tau \varrho \eta ́$ чоч＠тои́v $\alpha$ （confused swell）：ла＠óழо－ ＠ๆ，$\alpha \not \gamma \varrho เ \alpha ~ \theta \alpha ́ \lambda \alpha \sigma \sigma \alpha$
swing（n，v）：$\tau \alpha \lambda \alpha ́ v \tau \omega \sigma \eta, \varrho \varepsilon v-$ $\mu \alpha ́ \tau \iota \sigma \mu \alpha$ л $\lambda$ oíov，$\alpha \iota \omega ́ \varrho \eta \sigma \eta$ ， ऊои́vı $\alpha, \alpha \iota \omega \varrho o v ́ \mu \alpha เ$
switch on（v）：$\alpha v \alpha \dot{\alpha} \beta \omega$（ $\varphi \omega \varsigma)$
synopsis（n）：$\sigma v ́ v o \psi \eta$ ，$\pi \varepsilon \varrho$ í $\eta \eta$－ $\psi \eta$
synoptic chart（n）：$\mu \varepsilon \tau \varepsilon \omega \varrho о-$入оүıко́s $\chi \alpha ́ \varrho \tau \eta ร ~$
sway（v）：т $\alpha \lambda \alpha v \tau \varepsilon v ́ o \mu \alpha \iota$
$\operatorname{swim}(\mathbf{n}, \mathbf{v}): \chi о \lambda u ́ \mu \pi \iota, \chi \circ \lambda v-$ $\mu \pi \omega ́$

## Tt

tackle（v）：$\varepsilon \pi \iota \chi \varepsilon \iota \varrho \omega ́, ~ \pi \iota \alpha ́ v \omega$, $\alpha v \tau \mu \varepsilon \tau \omega \pi \iota \zeta \omega$
taint（v）：$\mu$ одv́v $\omega /$ о $\alpha \propto$
take on（v）：л＠об $\lambda \alpha \mu \beta \alpha ́ v \omega$
take into account（v）：$\lambda \alpha \mu \beta \dot{\alpha}-$ $\nu \omega$ vло́ $\psi \eta$
tally（v）：$\varkappa \alpha \tau \alpha \mu \varepsilon \tau \varrho \omega ́, ~ \tau \alpha \iota \varrho \iota \alpha-$ $\zeta \omega, ~ б ч \mu \varphi \omega v \omega ́$
tallyman（np）：$\sigma \eta \mu \varepsilon \iota \omega \tau \eta ́ s$
poetíov
tandem（adj）：o ع́vas лíow $\alpha \pi$ ó тov $\alpha ́ \lambda \lambda o$
tanker（n）：$\delta \varepsilon \xi \alpha \mu \varepsilon \nu o ́ \pi \lambda \circ \iota \circ$,

telegraph（n）：$\tau \eta \lambda \varepsilon ́ \gamma \varrho \alpha \varphi \circ \varsigma$,
тплєү＠аю́́
tendency（ n ）：$\tau \alpha ́ \sigma \eta$
terminate（v）：гє＠$\mu \alpha \tau i \zeta \omega$
test（v，n）：$\varepsilon \lambda \varepsilon ́ \gamma \chi \omega$ ，божı $\mu \dot{\alpha} \zeta \omega$ ， божıй́，є́ $\lambda \varepsilon \gamma \chi \circ \zeta$
thermostat（n）：$\theta \varepsilon @ \mu \circ \sigma \tau \alpha ́ \tau \eta \zeta$
thick（adj）：$\pi \alpha \chi$ ऽ́s
thin（adj）：$\varepsilon \lambda \alpha \varphi \varrho и ́ \varsigma, ~ \lambda \varepsilon л \tau о ́ \varsigma ~$
thrust $(\mathbf{v}, \mathbf{n}): \pi \varrho 0 \omega \theta \omega$ ，$\pi i ́ \varepsilon \sigma \eta$ ，
$\omega \theta \eta \sigma \eta, \omega \sigma \eta$
thunder（n）：xع＠avvós
hunderstorm ：$\kappa \alpha \tau \alpha \iota \gamma i ́ \delta \alpha \mu \varepsilon$
xeqauvoús
tighten（v）：$\sigma \varphi^{\prime} \gamma \gamma \omega$ ，xóv $\omega$ ote $\gamma \alpha$ ó
tiller（n）：ठоıáxı，$\lambda \alpha \gamma о \cup \delta \varepsilon ́ \varrho \alpha$
timber（n）：$\xi v \lambda \varepsilon$ í́ $\alpha$
 $\beta \alpha$
tonne（metric）：$\mu \varepsilon \tau \varrho \iota$ ко́s то́－ vos，$\mu$ оvá $\delta \alpha$ $\beta \alpha ́ \varrho o v \varsigma ~ i ́ \sigma \eta ~ \mu \varepsilon ~$ $1000 \chi \lambda \gamma$ ．
ton（Long Ton）：兀óvoऽ，цоvó－ $\delta \alpha \beta \alpha ́ \varrho o v \varsigma ~ л о v ~ \iota \sigma о \delta u v \alpha \mu \varepsilon i ́ ~ \mu \varepsilon ~$ $2240 \lambda i ́ \beta \varrho \varepsilon \varsigma ~ \eta 1016 \chi \lambda \gamma$.
tonnage（n）：$\chi \omega \varrho \eta \tau \iota \propto о ́ \tau \eta \tau \alpha$ $\pi \lambda \mathrm{oíov}$
tool（n）：$\varepsilon \varrho \gamma \alpha \lambda \varepsilon$ ío
 $\pi \lambda$ оío，＠чиочдхб́
tow－line（n）：бxoıví $\chi \varrho \eta \sigma \mu$ о－ лоьои́ $\mu \varepsilon$ vo $\gamma เ \alpha \tau \eta$＠чиои́ $\langle\eta \sigma \eta$ $\pi \lambda$ оí $\omega v$
towage ：＠uนои́ $\lambda \varkappa \eta \sigma \eta, \tau \varepsilon ́ \lambda \eta ~ \varrho v-$ $\mu о v \lambda \varkappa \eta ́ \sigma \varepsilon \omega \varsigma$
tow－boat（n）：＠чนоv
بos
tower（n）：ли́＠үoऽ
towing（n）：＠vцоv́ $\lambda x \eta \sigma \eta$
towing light ：pavós＠v－
$\mu о v \lambda x \eta ́ \sigma \varepsilon \omega \varsigma$
towing signal ：$\sigma \eta ́ \mu \alpha$＠v－
$\mu о v \lambda x \eta ́ \sigma \varepsilon \omega \varsigma$
towing vessel（n）：＠vцоч $\lambda$ ко́
toxic（adj）：兀o $\xi$ ıxós
tramp（n）：$\alpha \lambda \eta ́ \tau \eta ร, ~ \pi \lambda \alpha ́ v \eta \zeta$,
$\varepsilon \mu \pi о \varrho เ ห о ́ ~ \pi \lambda о$ $\quad \varepsilon \lambda \varepsilon v ́ \theta \varepsilon \varrho о v$
vav́גov
transfer（v）：$\mu \varepsilon \tau \alpha \varphi \varepsilon \varrho \omega, \mu \varepsilon \tau \alpha-$ $\beta$ ィ $\beta \dot{\alpha} \zeta \omega$
transmission（n）：$\mu \varepsilon \tau \alpha ́ \delta o \sigma \eta$, $\mu \varepsilon \tau \alpha \beta i ́ \beta \alpha \sigma \eta, \varepsilon \chi \pi о \mu \pi \eta ́$
transmit（v）：$\varepsilon \chi \pi \varepsilon ́ \mu \pi \omega, \mu \varepsilon \tau \alpha-$ $\beta \_\beta \alpha ́ \zeta \omega$
transmitter（n）：лоило́ऽ
transom（n）：ఢuүó л＠ú $\mu \vee \eta \zeta, ~ \varepsilon-$ лíлєठŋ л＠ú $\mu v \eta ~ \pi \lambda$ оíov，$\alpha \beta \alpha \xi$ （ $火 v . \pi \alpha \pi \alpha \delta \iota \alpha)$
transverse（adj）：$\varepsilon \gamma$ дó＠бı๐ऽ
tray（n）：ठíбxоร
trim（n）：$\delta \iota \alpha \gamma \omega \gamma \eta$ л $\pi \lambda$ oíov，$\varepsilon v$－
 $\sigma \mu \alpha)$
trip（n）：$\tau \alpha \xi$ เ $\delta \alpha ́ x$（бvvŋ́ $\theta \omega \varsigma$
$\alpha \nu \alpha \varphi \varepsilon ́ \varrho \varepsilon \tau \alpha \iota \mu \varepsilon$ бчүนєжดцนє́vо л＠оо＠ıбио́），ठıаб＠оиŋ́
trireme（n）：兀＠ıŋŋऽ
truck（n）：ழо＠тๆүо́ аvтохív $\eta$－
тo
tug（n，v）：＠чцочджо́ бжо́чоऽ， ＠чцоилжб́
tug boat（n）：$\cup \mu о v \lambda \varkappa о ́$
turbo charger（n）：$\sigma \tau \varrho \circ \beta \iota \lambda \lambda_{0}$ бบилเєбтйร
twin（adj）：$\delta ı \pi \lambda o ́ s, ~ \delta i ́ \delta v \mu o \varsigma$
twin screw ship ：$\pi \lambda$ oío $\mu \varepsilon \delta v ́ o$ モ́ $\lambda \iota x \varepsilon \varsigma ~ / ~ \pi \varrho о л \varepsilon ́ \lambda \varepsilon \varsigma ~$
typhoon（n）：тvøஸ́vas

## $\mathbf{U u}$

uncertainty（n）：$\alpha \beta \varepsilon \beta \alpha \iota \circ ́ \tau \eta \tau \alpha$ ， $\alpha v \alpha \sigma \varphi \alpha ́ \lambda \varepsilon \iota \alpha$ ，หívסuvos unload（v）：$\xi \varepsilon \varphi о \varrho \tau \omega ์ \omega$ update（v）：$\varepsilon \nsim \sigma \cup \gamma \chi \varrho \circ v i ́ \zeta \omega$ ， $\varepsilon \vee \eta \mu \varepsilon \varrho \omega ́ v \omega$
urgency（n）：$x \alpha \tau \varepsilon \pi \varepsilon i ́ \gamma o v \sigma \alpha$
аvó $\gamma \kappa \eta$
utilization（n）：$\chi \varrho \eta \sigma \mu о л о$ $\eta$－
$\sigma \eta$

## Vv

vacancy（n）：xєvŋ́ $\theta \varepsilon ́ \sigma \eta$
valid（adj）：$\varepsilon \not \gamma \chi \cup \varrho \circ \varsigma, ~ เ \sigma \chi v ́ \omega v$
valve（n）：$\beta \alpha \lambda \beta$ í $\delta \alpha$
vary（v）：лоぃхí $\lambda \lambda \omega$
$\operatorname{veer}(\mathbf{v}):(\gamma \iota \alpha \alpha \varepsilon ́ \varrho \alpha)$ vлобт＠є́－ $\varphi \omega, \alpha v \alpha \sigma \tau \varrho \varepsilon ́ \varphi \omega$ ж $\alpha \tau \alpha ́ ~ \pi \varrho u ́ \mu \nu \eta$ ， $\alpha \lambda \lambda \alpha ́ \zeta \omega$ ж $\alpha \tau \varepsilon v ́ \theta v \vee \sigma \eta$
vehicle（n）：ó $\chi \eta \mu \alpha$
velocity（n）：$\tau \alpha \chi$ v́тๆ $\tau \alpha$
ventilate（v）：（ $\varepsilon \xi$ ）$\alpha \varepsilon @ i ́ \zeta \omega$
ventilation（n）：（ $\varepsilon \xi$ ）$\alpha \varepsilon$＠ı $\sigma \mu$ о́s
version（n）：$\varepsilon \chi \delta о \chi \eta ́, \mu о v \tau \varepsilon ́ \lambda о$
vessel（n）：$\pi \lambda$ оío，бxóqоऽ
VHF（Very High Frequency）：
ло $\lambda \cup ́ v \psi \eta \lambda \eta ́ ~ \sigma v \chi \nu o ́ \tau \eta \tau \alpha$
vibration（n）：$\varkappa \varrho \alpha \delta \alpha \sigma \mu o ́ s$
vicinity（n）：$\varepsilon \gamma \gamma \cup ́ \tau \eta \tau \alpha, \gamma \varepsilon \iota \tau v i ́-$
$\alpha \sigma \eta$
viscosity（n）：兀o ı $\xi \omega ́ \delta \varepsilon \varsigma, ~ \imath \xi o ́-$
тทร
visibility（n）：o＠$\alpha \tau$ óтŋ $\tau \alpha$
visible（adj）：o＠aтós
volume（n）：ó $\gamma$ ros

maiden voyage：$\pi \alpha \varrho \theta \varepsilon v \iota \chi o ́ ~ \tau \alpha-$ $\xi i \delta \iota$

## Ww

warn（v）：л＠оєьболоьб́
warning（n）：л＠оعıסолоі́ๆбך
warship（n）：ло $\lambda \varepsilon \mu เ \kappa о ́ ~ \pi \lambda о$ о́о
waste（ $\mathbf{v}, \mathbf{n}$ ）：$\sigma \pi \alpha \tau \alpha \lambda \omega, \alpha, \alpha \chi \emptyset \eta-$
бто，бл $\alpha \tau \alpha \lambda \eta \mu \varepsilon ́ v o, \chi \alpha \mu \varepsilon ́ v o ~ \alpha л о ́$
ठı $\varrho \varrho о \eta$ ŋ́ $\alpha \pi \varrho о \sigma \varepsilon \xi$ گí
waste rags（n）：$\sigma \tau 0 v \pi \iota \alpha ́$
watch（n）：$\beta \alpha ́ \varrho \delta \iota \alpha, \varphi \cup \lambda \alpha \varkappa \eta$
（middle watch）：12－4 $\pi . \mu$ ．
（morning watch）： $4-8 \pi . \mu$ ．
（forenoon watch）：8－12 $\pi . \mu$ ．
（afternoon watch）：12－4 $\mu . \mu$ ．
（evening watch）：4－8 $\mu . \mu$ ．
a）first dog watch ：4－6 $\mu . \mu$ ．
b）second dog watch ：6－8
$\mu . \mu$ ．（first watch）：8－12 $\mu . \mu$ ．
watch officer（n）：$\alpha \xi เ \omega \mu \alpha \tau \iota-$ жо́s $\beta$ ǿ＠ঠıаs
waterline（n）：í $\sigma \lambda \lambda_{\circ}$ ऽ $о \alpha \mu \mu \eta$ waterproof（adj）：$\alpha \delta \iota \alpha ́ \beta \varrho о \chi \circ \varsigma$ watertight（adj）：$\sigma \tau \varepsilon \gamma \alpha \vee o ́ s$
wavelet（n）：$\mu \nprec$ бо́ хи́ $\alpha$
wear（n，v）：$\varphi \theta$ о＠$\alpha ́ \alpha \pi o ́ ~ \chi \varrho \eta ́-~$ $\sigma \eta, \varphi \theta \varepsilon$ í＠$\omega$
weather（ n ）：xaıós
weigh／heave up the anchor
（v）：$\alpha v \alpha \sigma \pi \omega ́ \tau \eta v \alpha ́ \alpha \gamma ข \varrho \alpha, \beta \mathrm{t}-$ ＠র́＠$\omega$ ，б $\alpha \lambda \pi \alpha ́ \varrho \omega$
weld（v）：$\sigma \cup \gamma \kappa \circ \lambda \lambda \omega \dot{\mu} \varepsilon^{\tau} \alpha \lambda \lambda \alpha$ welding（n）：$\sigma \cup \gamma о ́ \lambda \lambda \eta \sigma \eta$
west（adj，n）：ঠvтıxós，ठv́ণๆ，

wet air ：vү＠$\alpha \sigma$ í $\alpha$
whaler（n）：чалаıvоӨпюько́
whistle（ $\mathbf{v}, \mathbf{n}$ ）：$\sigma \varphi \cup \varrho$ í $\omega$ ，$\sigma \varphi \cup$－
＠íx $¢ \varrho \alpha$
white horse（n）：л＠оß $\alpha \tau \alpha ́ ⿱ 亠 䒑$ （ $\sigma \tau \eta ~ \theta \alpha ́ \lambda \alpha \sigma \sigma \alpha$ ）
whole gale ：เ $\sigma \cup \varrho \eta ́ ~ \theta v ́ \varepsilon \lambda \lambda \alpha$
wide（adj）：єv＠ús，९a＠ঠús
willingness（n）：л＠оӨчนía
wind（n）：$\alpha, v \varepsilon \mu \circ \varsigma$
windlass（n）：ع＠$\gamma \alpha ́ \tau \eta ร ~ \alpha ́ \gamma \gamma v-~$ ＠$\alpha$（ $\mu \alpha \nu о \cup \beta \varepsilon ́ \lambda о ~ / ~ \mu \pi о ́ \mu л \alpha) ~$
wine（n）：$\varkappa \varrho \alpha \sigma$ ́́
wireless telegraphy ：$\alpha \sigma \cup ́ \varrho \mu \alpha-$ тоऽ тп $\lambda \varepsilon \gamma \varrho \alpha \varphi$ í $\alpha$
workpiece（n）：ठохíцьо ع＠$\gamma \alpha$－
 $\gamma \alpha \sigma^{\prime} \alpha$
wreck（n）：vavó ${ }^{\text {（ }}$ וo
wrench（n）：$\mu \lambda \varepsilon ı \delta i ́$

## $\mathbf{X x}$

xebec（n）：ти́лоऽ เбтьочо́＠оч （ $\mu \pi \varepsilon \lambda о и ́), ~ \lambda ı \beta v \varrho v i ́ s ~(\sigma \chi \alpha ́ \varphi о \varsigma ~$ $\alpha ж \tau о \varphi \cup \lambda \alpha ж \eta ́ s) ~$

## Yy

yacht（n）：$\theta \alpha \lambda \alpha \mu \eta \gamma o ́ s$

 ＠єч́ $\mu \alpha \tau \circ \varsigma ~ \sigma \tau \varrho \varepsilon ́ \varphi \varepsilon \tau \tau \alpha \iota \alpha ́ \lambda \lambda о \tau \varepsilon$ $\delta \varepsilon \xi เ \alpha ́ \alpha \alpha \propto \alpha ́ \alpha \lambda о \tau \varepsilon \alpha \varrho \iota \sigma \tau \varepsilon \varrho \alpha ́)$

## Zz

zenith（n）：$\zeta \varepsilon v i ́ \theta$
zone time（n）：$\sigma \cup \mu \beta \alpha \tau \iota \underset{~}{\omega \varrho \alpha}$ گळ́vทร

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[^0]:    * The above text was adapted from "MAӨHMATA AГГАIKHZ" by 4. Потанıávos.

