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夸克英语笔记

Lesson 29 The hovercraft

气垫船 **独立主格** **量词**

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单词列表 (点击单词可以查看详细笔记)



hovercraft /'hɒvəkra:ft/ n. 气垫船

cushion /'kʊʃ(ə)n/ n. 座垫

Solent /'səʊlənt/ n. (英国的) 苏伦特海峡

dune /dju:n/ n. 沙丘

hovertrain /'hɒvə,trein/ n. 气垫火车

Norfolk Broads /'nɔ:fək brɔ:dz/

n. 诺福克郡的湖泊地区

ring * /rɪŋ/ v. 围

sensation /sen'seɪʃ(ə)n/ n. 轰动

plantation /plɑ:n'teɪʃ(ə)n/ n. 种植园

抛出想法 **难度：7级**

※ Many strange new means of transport **have been developed** in our century, the strangest of them being perhaps the hovercraft.

『大小 > 形状 > 年龄 > 新旧 > 颜色 > 国际 > 材料 > 用途 + 中心名词』形容词顺序 Adjective Order

- A heavy big round new black Chinese wooden dining table. 一张新的很沉的黑色的中国式的圆形的大木餐桌。
- For most of them, 50 pence is a small price to pay for a nice big bar of chocolate.
- One of Mary's prize possessions was a little white lamb which her husband had given her.
- The towers are built on immense underwater platforms made of steel and concrete.
- The towers are built on immense ferro-concrete platforms which are sunk beneath the water.

修饰量词
(Adjectives Modifying
Quantifiers)

- A **nice cup** of tea. 一杯好茶。
- A **beautiful stretch** of field. 一片美丽的田野。
- a **stagnant pool** of water 一潭死水
- **great lengths** of drill pipe
- Our next obstacle was a **shallow pool** of water about half a mile across.
- **Strange new means** of transport. 奇怪的新交通工具。

『 **transport** n. [U] (US transportation) 交通, 交通工具 』

- A lot of people object to mobile phones, especially when they are used in public places like restaurants or **on public transport**.
- Food, clothing, shelter, and **transport** are necessities. 食物、衣服、住所和交通工具是必需品。
- New **transport** systems revolutionized travel. 新的交通系统彻底改变了旅行。

『 **develop** v. to design or make a new idea, product, system etc. over a period of time 研制, 设计, 开发 』

- Scientists are **developing** new drugs for arthritis. 科学家们正在研发治疗关节炎的新药。
- Several countries have **developed** nuclear weapons secretly. 一些国家秘密研发了核武器。
- **Developed** transport means include the hovercraft. 研发的交通工具包括气垫船。

『 **独立主格** Independent Genitive 』

- The strangest of them (being) perhaps the hovercraft. 其中最奇怪的可能是气垫船。
- The village seemed deserted, **the only sign of life being an ugly-looking black goat on a short length of rope tied to a tree in a field nearby**.

Many interesting new products have been developed by Apple Inc., **the most successful of them being perhaps the 'iPhone'**. 苹果公司 (Apple Inc.) 研制出了很多有趣的新产品, 其中最成功的可能就是iPhone了。

※ In 1953, a former electronics engineer in his fifties, Christopher Cockerell, who had turned to boat-building on the Norfolk Broads, suggested an idea on which he had been working for many years to the British Government and industrial circles.

『 **electronics** n. [U] the scientific study of electric current and the technology that uses it 电子学/电子设备 』

- He has a **degree in electronics**. 他拥有电子学学位。
- She works in **the electronics industry**. 她在电子工业部门工作。
- Cockerell was a former **electronics engineer**. 科克雷尔曾是一名电子工程师。

electronics n. [pl.] electronic equipment 电子设备

Weather can interfere with a car's **electronics**. 天气可能干扰汽车的电子设备。

『 Expressing Age 年龄表达 』

- He decided to start a new career while **in his fifties**. 他在五十多岁时决定开始一段新的职业生涯。
- In her **early fifties**, she started a new career. 五十出头时，她开始了新职业。
- In his **late fifties**, he retired. 快六十时，他退休了。

in his early fifties 五十岁出头 (五十一二岁)

My father retired **in his early fifties** to travel the world. 我父亲在五十岁出头时退休去环游世界了。

in his mid-fifties 五十五岁左右

The professor is **in his mid-fifties** and has published many books. 这位教授五十五岁左右，出版过很多著作。

in his late fifties 五十岁将近六十 (五十八九岁)

He still runs marathons even though he is **in his late fifties**. 尽管他已经五十八九岁了，但依然在跑马拉松。

『 turn to sth. to devote or apply oneself to something, as to a field of study (转而)致力于... 』

- Unsuccessful in mathematics, the student **turned to** biology. 数学不成功，他转而研究生物学。
- Cockerell **turned to** boat-building on the Norfolk Broads. 科克雷尔在诺福克湖区致力于造船。
- She **turned to** writing after teaching. 教书后，她转而从事写作。

Norfolk n. 诺福克郡 a county in eastern England, consisting mainly of rather flat farmland and some lakes called the Norfolk Broads, where many people spend holidays sailing in small boats or barges.

『 industrial adj. 工业的; 行业的 』

- He suggested the idea to **industrial** circles. 他向工业界提出了这个想法。
- The **industrial** sector embraced new technologies. 工业部门接受了新技术。
- **Industrial** progress relies on innovation. 工业进步依赖于创新。

industrious 勤奋的

She is an **industrious** worker. 她是一个勤奋的工人。

『 **circles** n.a group of people who know each other and meet regularly, or who have similar interests or jobs (有共同兴趣、职业等的人形成的) 圈子, 阶层, 界 』

- He shared his idea with **industrial circles**. 他与工业界分享了他的想法。
- She moves in artistic **circles**. 她在艺术圈中活动。
- The proposal gained traction in scientific **circles**. 该提议在科学界获得了支持。

※ It **was** the idea of supporting a craft on a 'pad', or cushion, of low-pressure air, ringed with a curtain of higher pressure air.

『 **craft** n. [pl. craft] a boat or ship 船舶 』

- We passed several other **craft** on the river. 我们在河上经过了几艘其他船只。
- The astronauts piloted their **craft** to the lunar surface. 宇航员驾驶他们的航天器降落到月球表面。
- The hovercraft is a unique type of **craft**. 气垫船是一种独特的船舶。

craft n. [pl. craft] an aircraft or spacecraft 航天器, 宇宙飞船

The astronauts piloted their **craft** down to the lunar surface.

『 **pad** n.a thick flat object made of cloth or rubber, used to protect or clean sth., or to make sth. more comfortable 垫 』

- The craft rides on a **pad** of low-pressure air. 船舶在低压空气垫上行驶。
- A **pad** of foam cushioned the impact. 一块泡沫垫缓冲了冲击。

pad of的垫子

Press on the wound with a large **pad of cotton wool**. 用一块棉花垫按住伤口。

『 **ring** v.to surround sth. 包围, 环绕 』

- Armed police **ringed** the hijacked plane. 武装警察包围了被劫持的飞机。
- The air cushion is **ringed with** higher pressure air. 空气垫被高压空气包围。

be ringed with sth. 被... 的包围

Her eyes were **ringed with** black lashes. 她的眼睛被黑色睫毛包围。

『 **curtain** 帘状物 a thing that covers, hides or protects sth. 掩蔽物, 覆盖物, 防护物 』

- They could see nothing through the **curtain of** rain. 他们透过雨幕什么也看不见。

- A **curtain** of fog obscured the view. 一层雾幕遮挡了视线。
- The craft uses a **curtain** of higher pressure air. 船舶使用高压空气幕。

curtain of的帘状物	A heavy curtain of ivy covered the old stone wall. 厚厚的常春藤帘状物覆盖着古老的石墙。
a curtain of fog / smoke 雾幕/烟幕	The ship disappeared behind a curtain of fog . 这艘船消失在了 一层浓雾之中。

※ Ever since, people **have had** difficulty in deciding whether the craft **should be ranged** among ships, planes, or land vehicles -- for it **is** something in between a boat and an aircraft.

『 **ever since** adv. & prep. & conj. continually since that time 从那以后，一直... (后面接完成时)

』

- The big clock which used to strike the hours day and night was damaged many years ago and **has been silent ever since**.^{adv.}
- There are countless people who, **ever since** their early years, **have learned to** associate snails with food.^{prep.}
- Assuming that his family **had been killed** during an air-raid, Hans settled down in a Village fifty miles away where he **had remained ever since**.^{adv.}
- It's **been** the same way **ever since** we were kids.^{conj.}
- He **has been depressed ever since** he got divorced.^{conj.} 自从离婚后，他一直很沮丧。
- **Ever since**, the craft's classification **has been debated**. 从那以后，船舶的分类一直在争论。

『 **have difficulty (in) doing** 做某事很困难 』

- People **have difficulty in deciding** the craft's category. 人们难以决定船舶的类别。
- I **have difficulty in understanding** his thick accent. 我很难听懂他那浓重的口音。
- I **had** some **trouble (in) reading** his letter. His handwriting is very bad.
- She **had a hard time writing** the dear John letter. 她写那封绝交信很困难。
- We **had no difficulty finding** the house. 我们找房子没有困难。

have trouble (in) doing sth. 做某事有麻烦/困难	She had trouble finding the address in the dark. 她在黑暗中很难找到那个地址。
have a hard time doing sth. 做某事很费劲	Many students have a hard time adjusting to college life. 许多学生在适应大学生活时会感到很费劲。

have a good time doing sth.
做某事很开心、愉快

We **had a good time playing** soccer in the park yesterday. 昨天我们在公园踢足球玩得很开心。

『 **range** v. (fml.) 英文解释: to assign to a category, classify 归类, 分类 』

- Should the craft be **ranged** among ships or planes? 这艘船应该归类为轮船还是飞机?
- They **ranged** the species under mammals. 他们将该物种归类为哺乳动物。
- Books were **ranged** by subject in the library. 书籍在图书馆按主题分类。

『 **in between = between** 介于...之间 』

- It is something **in between** a boat and an aircraft. 它是介于船和飞机之间的东西。
- I lost my keys somewhere **in between** the car and the house. 我在车和房子之间某处丢了钥匙。
- The town lies **in between** two mountains. 小镇位于两座山之间。
- One town ends where the next begins and there's a road that runs **in between**. ^{adv.}

※ As a shipbuilder, Cockerell was trying to find a solution to the problem of the wave resistance which wastes a good deal of a surface ship's power and limits its speed.

『 **solution to = answer to** ...的解决方案 』

- Cockerell sought a **solution to** wave resistance. 科克雷尔寻找波浪阻力的解决方案。
- They found a **solution to** the pollution problem. 他们找到了污染问题的解决方案。
- A **solution to** traffic congestion is needed. 需要一个解决交通拥堵的方案。
- Finding a sustainable **solution to** climate change is our generation's greatest challenge. 找到应对气候变化的可持续解决方案是我们这一代人面临的最大挑战。

answer to 对...的
答/答案

The **answer to** the complex problem was surprisingly simple. 对这个复杂问题的回答出奇地简单。

※ His answer was to lift the vessel out of the water by making it ride on a cushion of air, no more than one or two feet thick.

『 **no more than** 仅仅、只不过 』

- **No more than** 20 people are present.

- We were standing no more than 10 meters away from the scene of the crime and we didn't realize it.
- His answer was to lift the vessel out of the water by making it ride on a cushion of air, no more than one or two feet thick.
- When one seriously studies the social orders that have had the opportunity to develop autonomously, the figure becomes no more than an exact and matter-of-fact observation.
- **No more than** 20 people were present. 只有20人出席。
- We stood **no more than** 10 meters from the crime scene. 我们站在离犯罪现场仅10米的地方。

注：当代英语中 **less than** 正在渐渐取代 **fewer than**

<p>not more than 不超过</p>	<ul style="list-style-type: none"> • She is not more than thirty. • Not more than 20 people are present. 不超过20人出席。
<p>no less than + 数词 + 计量名词 (时间; 距离; 金额) (强调数量特别大) “足足有...; 有...之多”</p>	<p>He won no less than \$1,000,000. 他赢了足足一百万美元。</p>
<p>not less than + 数词 + 计量名词 (时间; 距离; 金额) “至少有...; 不少于.....”</p>	<p>He won not less than \$1,000,000. 他至少赢了一百万美元。</p>
<p>no fewer than + 数词 + 普通名词 “足足有...; 有...之多”</p>	<p>No fewer than a thousand people came. 足足有一千人来了。</p>
<p>not fewer than + 数词 + 普通名词 “至少有...; 不少于...”</p>	<p>Not fewer than a thousand people came.</p>
<p>nothing but ... 只, 只有 ...</p>	<ul style="list-style-type: none"> • He had nothing but a cup of tea this morning. • William S. Hart was, perhaps, the greatest of all Western stars, for unlike Gary Cooper and John Wayne he appeared in nothing but Westerns. • I have heard of writers who read nothing but their own books; ...

nothing more than (贬义) 只不过是...

He dismissed Bryan as **nothing more than** an amateur.

※ This is done by a great number of ring-shaped air jets on the bottom of the craft.

『 -shaped adj. used with many nouns to make adjectives describing the shape of something 形状的 』

- Oddly **shaped** forms that are suspended from the ceiling and move in response to a gust of wind are quite familiar to everybody.
- She has a perfectly **shaped** figure. 她拥有完美的身形。
- I was not surprised to find that the machine still refused to work after I had reassembled it, for the simple reason that I was left with several curiously **shaped** bits of metal which did not seem to fit anywhere.
- My cousin, Harry, keeps a large **curiously-shaped** bottle on permanent display in his study.

a heart-shaped leaf 心形的叶子	<ul style="list-style-type: none">• The vine is easily recognizable by its unique heart-shaped leaves. 这种藤蔓很容易通过它独特的心形叶子辨认出来。• A heart-shaped pendant was her favorite. 心形吊坠是她的最爱。
pear-shaped 梨形的	<ul style="list-style-type: none">• The vase had a graceful pear-shaped base that felt perfectly balanced. 这个花瓶有一个优雅的梨形底座，感觉非常平衡。• The pear-shaped vase stood on the table. 梨形花瓶立在桌上。
a V-shaped collar V形领口	She wore a simple black sweater with a flattering V-shaped collar. 她穿了一件简单的黑色毛衣，配有一个修饰颈部的V形领口。
an L-shaped room L形的房间	It was difficult to arrange the furniture in such an awkward L-shaped room. 在这种尴尬的L形房间里摆放家具很困难。
a crescent-shaped scar 新月形的疤痕	He has a faint crescent-shaped scar above his right eyebrow. 他的右眉上方有一道淡淡的新月形疤痕。

『 **jet** n. a narrow stream of liquid or gas that comes quickly out of a small hole, or the hole itself 喷射；喷嘴 』

- **Ring-shaped air jets** are on the craft's bottom. 环形空气喷嘴在船舶底部。
- She cleaned the gas **jets** on the cooker. 她清洁了炉子上的燃气喷嘴。
- Water **jets** refreshed her in the shower. 水流喷射让她在淋浴时感到清爽。
- She soaped herself beneath the refreshing **jets** of water.

※ It '**flies**', **therefore**, **but** it **cannot fly** higher -- its action depends on the surface, water or ground, over which it **rides**.

『 **depend on** 依赖 』

- Its action **depends on** the surface it rides over. 它的运行依赖于其行驶的表面。
- Success **depends on** careful planning. 成功依赖于谨慎的计划。
- The outcome **depends on** their cooperation. 结果取决于他们的合作。

试验成功 难度：4 级

※ The first tests on the Solent in 1959 **caused** a sensation.

『 **Solent** 苏伦特海峡 』

A narrow channel between the Isle of Wight and the southern mainland of England. The Solent provides access to the port of Southampton. 苏伦特海峡

- The **Solent** is a narrow channel between the Isle of Wight and mainland England. 苏伦特海峡是怀特岛与英格兰大陆之间的狭窄通道。
- Hovercraft tests in the **Solent** in 1959 were groundbreaking. 1959年在苏伦特海峡的气垫船测试具有开创性。
- The **Solent** provides access to Southampton's port. 苏伦特海峡为南安普敦港口提供通道。

※ The hovercraft **travelled first** over the water, **then mounted** the beach, **climbed** up the dunes, **and sat** down on a road.

『 **mount** v.go up, ascend 登上 』

- The hovercraft **mounted** the beach effortlessly. 气垫船轻松登上沙滩。
- He **mounted** the platform to address the crowd. 他登上平台向人群讲话。
- A car suddenly **mounted** the pavement to avoid a vehicle coming in the opposite direction.
- The ship **mounted** sixty-four bronze cannons. 这艘船装载了六十四门青铜大炮。
- The death toll continues to **mount**. 死亡人数持续增加。

- He **mounted** his horse and rode away. 他骑上马飞驰而去。

<p>mount v. 将某物固定住 (以备使用、展示或研究) (to fix sth. into position on sth., so that you can use it, look at it or study it)</p>	<p>Triple gun-decks mounted sixty-four bronze cannon.</p>
<p>mount v. to increase gradually 逐渐增加</p>	<ul style="list-style-type: none"> • The death toll continues to mount. • This modern faith in medicines is proved by the fact that the annual drug bill of the Health Services is mounting to astronomical figures and shows no signs at present of ceasing to rise.
<p>mount v. (使) 骑上马等 (get onto or put sb. onto a horse, etc. for riding)</p>	<ul style="list-style-type: none"> • He quickly mounted his horse and rode away. • He mounted the boy on the horse. • The policemen were mounted on black horses. • Two assistants, mounted on tame elephants, control the captive from either side, ...

※ Later it **crossed the Channel**, riding smoothly over the waves, which **presented** no problem.

『 **ride** v. When you ride in a vehicle such as a car, you travel in it. 乘坐、航行 』

- He prefers travelling on the subway to **riding** in a limousine. 他宁愿乘坐地铁出行而不愿乘坐豪华加长轿车。
- She took some friends for a **ride** in the family car. 她用私家车载了朋友们一程。
- **Taken for a ride** 乘车兜风

『 **be / pose / present a problem for ...** 为...构成威胁 』

- Racial tensions in the south of the city **pose a real problem for** the police. 种族紧张关系为警方构成问题。
- The high rate of inflation **presents a serious problem for** the government. 通货膨胀为政府带来严重问题。
- The waves **presented no problem for** the hovercraft. 波浪对气垫船没有构成问题。

<p>be / pose / present / constitute a hazard to ... 对...构成隐患</p>	<ul style="list-style-type: none"> • Old, frayed electrical wiring can pose a serious hazard to the safety of the entire building. 陈旧、磨损的电线可能会对整栋建筑的安全构成严重隐患。 • Shallow waters pose a hazard to navigation. 浅水区对航行构成隐患。
<p>be / pose / present / constitute a threat / menace to ... 对...构成威胁</p>	<ul style="list-style-type: none"> • Deforestation poses a major threat to the survival of many endangered species. 森林砍伐对许多濒危物种的生存构成了重大威胁。 • Extremism constitutes a threat to regional stability. 极端主义对地区稳定构成威胁。

畅想未来应用场景 难度：4 级

※ Since that time, various types of hovercraft have appeared and taken up regular service.

『 **take up** v.start or begin sth, esp. a job 开始（某种工作等） 』

- She has **taken up** a job as a teacher. 她开始从事教师工作。
- Various hovercraft have **taken up** regular service. 多种气垫船已开始定期服务。
- He **took up** painting after retirement. 他退休后开始从事绘画。

『 **service** n.used to talk about whether a piece of equipment, a vehicle etc. is available to be used, or how long it can be used （设备，交通工具等）被使用，得到使用 』

- These trains have been in **service** for many years. 这些火车已经使用多年。
- The escalator is still out of **service**. 电梯仍在停用状态。
- Hovercraft have **taken up** regular **service** in various regions. 气垫船已在多个地区开始定期服务。
- Steel tools can give good **service** for years.

※ The hovercraft is particularly useful in large areas with poor communications such as Africa or Australia;

『 **communications** n.roads, railways etc that are used for travelling and sending goods 交通 』

- Paris has good **communications** with many European cities. 巴黎与许多欧洲城市有良好的交通联系。

- Its commercial success as a city is partly due to its excellent rail and road **communications**.
- Hovercraft are useful in areas with poor **communications**. 气垫船在交通不便的地区特别有用。
- Excellent road **communications** boost the city's economy. 出色的公路交通促进了城市经济。

※ it can become a 'flying fruit-bowl', carrying bananas from the plantations to the ports;

『 **fruit bowl** n.A fruit bowl is a large bowl in which fruit is kept and displayed. 果盘 』

- It can become a **flying fruit-bowl**, carrying bananas. 它可以成为“飞行果盘”，运送香蕉。
- The **fruit bowl** on the table was filled with tropical fruits. 桌上装满热带水果的果盘。
- Hovercraft act as a **fruit bowl** for plantation goods. 气垫船充当种植园货物的“果盘”。

※ giant hovercraft liners could span the Atlantic;

『 **liner** n.a large ship for passengers 客轮，班轮 』

- Giant hovercraft **liners** could span the Atlantic. 巨型气垫船客轮可以跨越大西洋。
- The tragic sinking of this **great liner** will always be remembered, for she went down on her first voyage with heavy loss of life.
- **Liners** revolutionized transatlantic travel. 客轮彻底改变了跨大西洋旅行。

『 **span** v.to stretch right across sth, from one side to the other 跨越，贯穿 』

- Hovercraft **liners** could **span** the Atlantic. 气垫船客轮可以跨越大西洋。
- A series of bridges **span** the river. 一系列桥梁跨越这条河。
- Her career **spanned** several decades. 她的事业跨越了数十年。

※ and the railway of the future may well be the 'hovertrain', riding on its air cushion over a single rail, which it never touches, at speeds, up to 300 m. p. h. -- the possibilities appear unlimited.

『 **may / might / could well ...** used to say that sth. is like to happen or is likely to be true (某事) 可能 (发生或是真的) 』

- Another patient **might** equally **well** complain that her neighbours were combining to slander her and persecute her, and yet one might be cautious about believing this statement.
- Over the years one **may well** become an authority on one's hobby and will very probably be asked to give informal talks to little gatherings and then, if successful, to

larger audiences.

- Apart from moral considerations this is a stupid method of training, for it produces a resentful animal who at a later stage **may well** turn man-killer.
- The railway of the future **may well** be the hovertrain. 未来的铁路很可能是气垫火车。

『 **possibilities** n.capability of being used or improved, potential 潜在价值, 潜力 』

- The house is very dilapidated but it has **possibilities**.
- He was the first to see **the possibilities of the plan**.
- The **possibilities** appear unlimited for hovercraft. 气垫船潜力似乎是无限的。
- He saw the **possibilities** of the plan early on. 他很早就看到了这个计划的潜力。
- The old house has great **possibilities** for renovation. 这座老房子有很大的翻新潜力。

『 **unlimited** adj.as much or as many as is possible, not limited in any 无限的, 无穷的 』

- Demand for healthcare is virtually **unlimited**. 对医疗的需求几乎是无限的。
- The new technology opens up **unlimited** opportunities. 新技术开启了无限的机会。



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