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| 12/27/18  NCE Lesson 7 Bats |

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| **Keywords:**  utilitarian [ju:tɪlɪ'teəriən] adj. 实用主义的  “**tarian**”  elapse [ɪ'læps] v. 时间流逝  “**lapse**”  interval ['ɪntəvl] n.（两件事之间的）间隔时间  shoal [ʃəʊl] n. 鱼群  squeak [skwi:k] v. & n. （发出）尖叫声，尖锐的声音  Background  科技英语的特点  部分否定  serve as…  have only to do … to do … 只须……就可以……  strictly  play a …role / part in sth.  appreciation 理解，了解  熟词生意  turn to 求助于  in the vicinity of …  come back  off = away 离开adv.  further vs. farther  be reflected  sea bottom  receipt 收据；接收  被动语态—客观性  vary according to sth.  因…而异  will do this  comparatively  with experience 随着经验的积累  除去缀词  to tell 分辨  **by** prep.  emit  steer clear of …  feed on sth.  compare  the principle of which is similar | **Details:**  : designed to be useful rather than attractive 略贬义  ugly **utilitarian** buildings  **utilitarian** furniture  utility + “**tarian**” (主义的；主义者)  vegetarian 素食主义  totalitarian 集权主义  Germany was once a **totalitarian** state.  humanitarian 人道主义  egalitarian 平等主义  an **egalitarian** attitude to voting  Three years **elapsed**.  **go by** / **pass**  Three years went by / passed.  “**lapse**” = slide  collapse  relapse 倒退，退步  **re** = again; back  **relapse** into bad habits  **interval between A and B**  **at … intervals** 每隔…  at weekly / 20-minute intervals  The trains run **at** hourly **intervals**.  Indeed, it may well be that those work is their pleasure are those who most need the means of banishing it **at intervals** from their minds.  a school / shoal of fish  a flock of sheep / pigeons  a herd of cattle / deer / elephants  a **drove** of horses / cattle / sheep  a pack of wolves / tigers / lions  a swarm of flies / bees  a colony of ants / termites   |  |  | | --- | --- | | squeak v. & n. 尖锐的声音 | the **squeak** of a mouse  The door opened with a **squeak**. | | **screech**尖锐的声音 | the **screech** of tire | | **scream** / **shriek** (情绪化的)尖叫声 | The girls are **screaming** / **shrieking** with excitement. |  |  | | --- | | Bats are interesting animals. They are famous for their echo-location ability. Echo-location in bats are often compared with radar. |   1、倾向于将动词名词化。（正式抽象）  2、倾向于更多地使用被动语态。（客观公正）   |  | | --- | | Not all sounds *made by animals* serve as language, and we *have only to* turn to that extraordinary discovery of echo-location in bats *to* see a case in which the voice plays a strictly utilitarian role. |   not 与全部肯定词 all, every, everything, everyone, both 连用，**多**表示部分否定。  All that glitters is not gold.  (Shakespeare: The Merchant of Venice)  All of the arrows didn’t hit the target. （歧义）  All civilized people can’t be cannibals. （全否）  Not all the water in rough rude sea can wash the balm off from an anointed king. （全否）  **None** of the arrows hit the target. （全部否定词，避免歧义）  Not every sound made by animals serve**s** as language. （意思相同，注意主谓一致）  当作…来用   |  |  | | --- | --- | | serve as… | be used as… | | act as… | function as… |   One of the most famous sailing ships of the nineteenth century, the Cutty Sark, can still be seen at Greenwich. She stands on dry land and is visited by thousands of people each year. She **serves as** an impressive **reminder** of the great ships of past.  You have only to press the button to call the nurse.  You have only to click the following link to download the software.  **have only to turn to sth. to do …** 只需借助于……就可以……  造句：我们只需借助于1936年奥运会的具体例子就可以知道国际体育比赛会导致疯狂的仇恨。  We have only to turn to the concrete example of the 1936 Olympic Games to know that international sporting contests lead to orgies of hatred.  adv. exactly and completely 完全地  ；严格的  She is strictly a beauty.  It’s strictly a neutral organization.  The river which forms the eastern boundary of our farm has always **played an important part in** our lives.  The government should **play a more prominent part in** promoting human rights.  This applies particularly to chemical industries, where chance discoveries **play a much larger part** than they do **in** physical and mechanical industries.  The fact of first-rate importance is **the predominant role** that custom **plays in** experience and **in** belief, and the very great varieties it may manifest.  John Dewey has said in all seriousness that **the part played** by custom **in** shaping the behavior of the individual, **as against** any way in which he can affect traditional custom, **is as** the proportion of the total vocabulary of his mother tongue **against** those words of his own baby talk that are  taken up into the vernacular of his family.   |  | | --- | | To get a full appreciation of what this means we must turn first to some recent human inventions. |   There is a growing **appreciation** of the need for environmental reforms.  There is, I think, much truth in Patricia Nelson Limerick’s **observation** that “lecturing is an unnatural act, an act for which God did not design human.” （评论性的）话，看法  With the start of BBC World Service Television, millions of viewers in Asia and America can now watch the Corporation’s news **coverage**, as well as listen to it. = report 新闻报道  Social science **disciplines** include geography, economics, political science, psychology, and sociology. 学科  “The test of any democratic society,” he wrote in a Wall Street Journal column, “lies not in how well it can control expression but in whether it gives freedom of thought and expression the widest possible **latitude**, however disputable or irritating the results may sometimes be. 自由  = … to fully appreciate what this means …  = resort to … 诉诸于，最后的不得已的手段  We can solve this problem without resorting to legal action.   |  | | --- | | Everyone knows that if he shouts in the vicinity of a wall or a mountainside, an echo will come back. |   in the neighborhood of …  close to …  = adjacent to …  near …  off …  I rent an apartment **off** campus.  (A) She needs help finding a place to live.  (B) There aren't enough rooms available in the dormitories.  (C) She can't afford to live on campus.  (D) She doesn't want to live in university housing.  M: Will you be living in the dormitory this year?  W: Not if I can help it. I've been thinking of renting an apartment off campus with some friends of mine.  Q: What does the woman imply?  Answer: (D) She doesn't want to live in university housing.  come back  = bounce back  be reflected  A sound made by tapping on the hull of a ship will **be reflected** from the sea bottom, …   |  | | --- | | The further off this solid obstruction, the longer time will elapse for the return of the echo. |   He lives far away. = He lives far off.  the further off this solid obstruction **(is)** …  [美]further 抽象意义的更深程度  farther 距离远  [英] further 抽象意义的更深程度；距离远  farther 距离远  further development / investigation 进一步的  The time and the distance **are in proportion**.   |  | | --- | | A sound made by tapping on the hull of a ship will be reflected from the sea bottom, and by measuring the time interval between the taps and the receipt of the echoes, the depth of the sea at that point can be calculated. So was born the echo-sounding apparatus, now in general use in ships. |   will be reflected = will come back = will bounce back  sea bottom = sea bed = sea floor  … between the tapping and **receiving** the echoes …  sb. can calculate sth.  sth. can be calculated  sound will be reflected  depth can be calculated  The echo-sounding apparatus was born so.   |  | | --- | | Every solid object will reflect a sound, varying according to the size and nature of the object. A shoal of fish will do this. So it is a comparatively simple step from locating the sea bottom to locating a shoal of fish. |   造句：每一个退休工人都可以得到一笔退休金 (pension)，根据职务 (post) 和工作年限 (working period) 而有所不同。  Every retired worker can receive a pension, varying according to his post and working period.  A shoal of fish will *reflect a sound, varying according to its size and nature.*  adv. relatively  It is a **comparatively simple step** from A to B.  It is a **small step** from A to B.  That’s one **small step** for a man, one giant leap for mankind.  — Neil Armstrong  It is a small step from loving a man to hating him.  It is a small step from loving a man **to the bone** to hating him **to the core**.   |  | | --- | | With experience, and with improved apparatus, it is now possible not only to locate a shoal but to tell if it is herring, cod, or other well-known fish, by the pattern of its echo. |   **with experience** √  with accumulating experience X  **with time** √  with passing time X  **with seasons** √  with changing seasons X  Vigorous writing is concise. A sentence should contain no unnecessary words, a paragraph no unnecessary sentences, **for the same reason that** a drawing should have no unnecessary lines and a machine no unnecessary parts. — William Strunk, Jr.  **the cause of justice** √ 正义事业  the cause of national reunification X – 去掉the cause of  the cause of socialist construction X  accelerate the speed of economic reform X  The captain knew that *his attempt* would not be *the only attempt*.  The captain knew that *his attempt* would not be *the only one*.  **The captain knew that *his* would not be the only *attempt*.**  Our age is a tragic age.  Our age is a tragic one.  **Ours is a tragic age.**  — Shakespeare  **Brevity is beauty.**  简洁即是美。  … to **distinguish** different species of fish …  = according to …  What’s time **by** your watch?  Even **by** modern standards, the 46,000 ton Titanic was a colossal ship.   |  | | --- | | It has been found that certain bats emit squeaks and by receiving the echoes, they can locate and steer clear of obstacles—or locate flying insects on which they feed. |   **emit**: “e” (out) + “mit” (send)  **transmit**: “trans” (across)+ “mit”  sexually **transmitted** diseases  The US open will **be transmitted live** via satellite.  omit: “**o**” = “**ob**” (away) + “**mit**”  submit: “**sub**” (under) + “**mit**”  vomit: “**vo**” (eat) + “**mit**”  = avoid … = get around …  We tried to **steer clear of** political issues.  I **steered clear of** the main roads where I might be recognized.   |  |  | | --- | --- | | **feed on sth**. 荤素都可 | Cows feed on hay. | | **prey on sth.** 捕食动物 | Owls prey on mice. | | **live on sth**. 人以…为主食 |  |  |  | | --- | | This echo-location in bats is often compared with radar, the principle of which is similar. |   **compare A with / to B**  可比较AB之间区别，也可比较相似处  **contrast A with B**  比较AB的不同  “名词+介词+关系代词” 引导**非限定性定语从句**  造句：他有两个儿子，其中的一个死于战火。  He has two sons, **one of whom** died in the war.  造句：演讲者提了四个问题，它们的答案被证明非常有启发性。  The speaker posed four questions, **the answers to which** proved very illuminating.  The most valuable find of all was the ship's log book, **parts of which** it was still possible to read. |
| **Today I learned:**  Happy Lantern Festival🌙 | |