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余高峰 华燕 王蒙/主编

美国

标准英 科学与技术篇

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- ★ 精心选材,原汁原味
- ★ 题材广泛, 译文准确
- ★ 优化设计, 拓展训练
- ★ 开阔视野,强化听力 听美国之音, 学地道美语

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美国泛音

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Foreword

英语学习者都知道,听、说、读、写是英语学习的基本要素。其中的"听"则是学习英语当中最基础、最重要也是最困难的环节之一,同时它也最能体现出一个人的英语水平。目前在我国,英语学习已相当普及,从未学过英语的人屈指可数,可谓全民同学英语。然而,真正学好英语的人却为数不多,或者可以说相当多的人学习效果不甚理想,究其原因,主要是语言学习环境较差。我们知道,语言是思想交流的工具,其主要作用是沟通、交流,一旦达不到其作用,语言学习也随之失去了意义。为了帮助英语学习者攻克英语听力这道难关,本书编者精心挑选了最新 VOA 科技方面的新闻报道资料,供广大英语学习者巩固英语听力之用。

编者相信,如果能用心学习此书,掌握本书的所有内容,在今后收听 VOA、BBC 或使用英语交流时,定会收到意想不到的效果,使自己的听力水平跨上一个新的台阶。

本书在编写过程中得到刘学飞、王伟亮、刘强、周志 风、杨辉、赵天飞等同志的大力支持,在此向他们表示最 衷心的感谢!

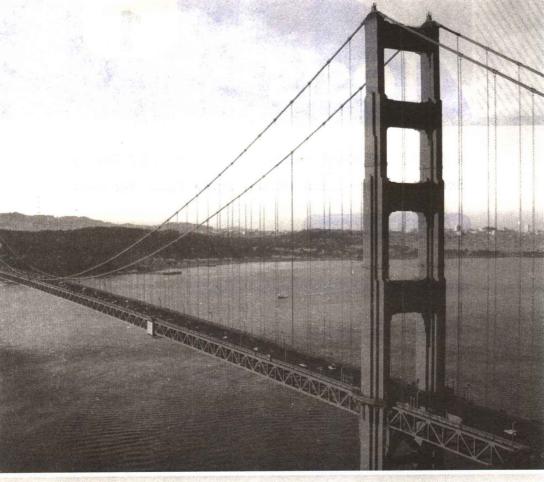
由于编者水平有限,加之编写内容较新,如有不妥之处,敬请批评指正。

编者 2008年4月

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美国之音

VOA STANDARD ENGLISH 标准英语

科学与技术篇

Tests

1

Unit 1

Scientists, Space Enthusiasts Share Vision for Mars

Words & Expressions

enthusiast n .	热心者
payload n .	负载物
chapter n.	(俱乐部、社团等的)支部;分会
exploratory base	探测基地
quest n .	探索
allocate v.	分配
petition n .	请愿;申请
Martian arctic	火星极地
ingredient n .	成份
simulate v.	模拟
thermal propulsion	热能推进

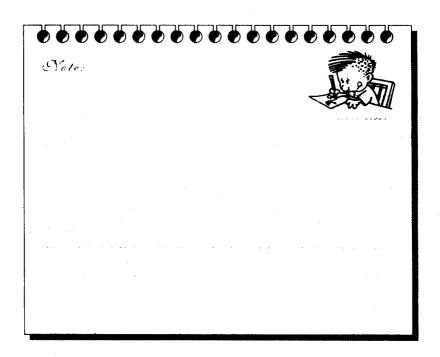
Exercises

Answer the following questions according to what you have heard from the report.

- 1. Who is Elon Musk?
- 2. What is the Mars Society?
- 3. What is the Mars Society urging the president and Congress to do?

Decide whether the following statements are true or false. If they are false, please correct them according to what you have heard.

- ()1. President Bush has committed the United States to returning humans to the moon by 2012.
- ()2. The latest NASA mission, the Phoenix Lander, was launched August 14, and it will analyze water ice in the Martian arctic.
- ()3. According to Fuk Li, the manager for the Mars exploration program at NASA's Jet Propulsion Laboratory, we are still in the early stages of discovery on Mars.
- () 4. 22-year-old Emily Colvin is studying for a career in aerospace at the Georgia Institute of Technology.



Unit 2	
--------	--

Why Do So Few Women Reach Top Ranks in Science?

Words & Expressions

bastion n .	城堡
sex discrimination	性别歧视
gender difference	性别差异
disparity n.	差别;不同
endow with	授予;赋予
prestigious a.	威望很高的
seminar n.	研讨会
vervet n.	. 黑长尾猴
unintentional biases	无意识的偏见
tenure n .	任期;占有权

Exercises

\nearrow	Fill in the blanks with the information you have heard
fro	om the report.
1.	Many women have to the top ranks in science and
	engineering, but manyespecially in thesci-
	ences and engineering—have remained male bastions.
2.	The report found that women were well-represented as
	in many fields of science and engineering, but were
	likely to to faculty jobs at top uni-
	versities.
3.	Richard Haier has been doing brain of men and
	woman as they different teaks and identified

	differences in the	the	brain works.
4.	Women have done much bet	ter in medic	ine and the
	sciences. And in one	field,	three quarters
	of the are now wo	men: veterii	nary medicine.
II	Decide whether the fol	lowing stat	tements are true or
fals	se. If they are false, ple	ase correct	them according to
wh	nat you have heard.		
(.) 1. The Nobel science p	rizes were a	nnounced this week,
	and as is often the	case, there	were a few women
	among the winners.		
() 2. Some researchers th	ink gender o	differences might not
	explain why fewer	women are	advancing in science
	and engineering.		
() 3. Elizabeth Spelke, t	the Harvard	researcher, says the
	differences between	n males and	females should dis-
	tract from the impa	ect of cultura	al factors.
() 4.Donna Shalala, a	former cab	inet secretary under
	President Clinton d	isagrees that	expectations of what
	women should do is	keeping the	em out of senior posi-
	tions at top researc	h institutions	s.
	Sieter		
			~ w ~ ~

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小行星

使偏斜

偶然发现

地球同步人造卫星

Astronomers Seek Ways to Divert "Killer Asteroids" that Could Threaten Earth

Words & Expressions

geosynchronous satellite

asteroid n.

deflect v.

stumble on

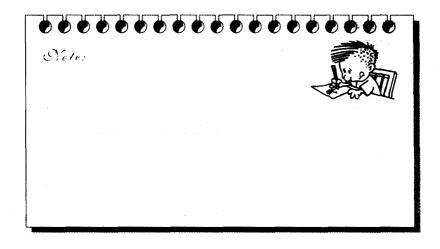
	ezvous n .		集结之地;会合点
astro	biology n.		天体生物学
prop	ulsion n .		推动
gene	ric a.		一般的;普通的
prob	ability n.		可能性;概率
esote	eric a.		奥秘的;神秘的
	ercises		
\sum_{i}	Fill in the b	lanks with the informa	tion vou have heard
			,
from	the report.		
from	the report.	king Earth is more than	
from 1. A	the report. n asteroid stri		a theoretical
from 1. A	the report. n asteroid stri	king Earth is more than	a theoretical
from 1. A —	the report. n asteroid stri or, fo	king Earth is more than	a theoretical of a Bruce Willis
from 1. A ————————————————————————————————————	the report. n asteroid stri or, fo	king Earth is more than or that matter, the	a theoretical of a Bruce Willis of the sky, astrono-
from 1. A 2. B m	the report. n asteroid stri or, fo	king Earth is more than or that matter, the	a theoretical of a Bruce Willis of the sky, astrono-
from 1. A 2. B m w	the report. n asteroid stri or, fo ut even without ers have ay.	king Earth is more than or that matter, the	a theoretical of a Bruce Willis of the sky, astrono- heading

Fa	rt	h	7
L a	ıι	11	-

4. Still, when an asteroid is _____ as ____ down on us, it will be important to _____ as soon as possible.

Decide whether the following statements are true or false. If they are false, please correct them according to what you have heard.

- 11. The U.S. space agency, NASA, says it does have the money to track the asteroids and comets that could potentially hit the Earth.
- ()2. A century ago, an asteroid flattened 2,000 square kilometers of a densely-populated area in Siberia, a relatively local event.
- ()3. Steven Chesley of the Jet Propulsion Laboratory in California says that Apophis would hit the Earth in 2029.
- ()4. NASA has identified about 130 asteroids that might hit the Earth. But Chesley says there are an estimated 2,000 yet to be discovered.



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X Prize Foundation Sponsors Competition to Develop Fuel Efficient Automobile

Words & Expressions

sponsor v .	赞助
finite a .	有限的
dwindle v .	减少
appeal n.	吸引力
with one's eye on	关注
wheel-mounted disk	轮装圆盘
hybrid a.	混合的
entrepreneur n .	企业家
criteria n.	标准
luxury n.	奢侈

Exercises

M	Fill	in	the	blanks	with	the	information	you	have	heard
from	the	re	port							

٠.	The competition aims	atthe development o	i venicies
	that far	gasoline than those	on
	the road.		
2.	The X Prize Foundati	on is best known for the	com-
	petition to	a human-piloted space craft th	at would
	the earth's	atmosphere and return	within
	a two-week period.		
2	Paulan's toom plans	to a light maight mann	

hi	icle already on the and it with the hybrid
	for the competition.
4. B	eyond the monetary award that with the X Prize
	nd the he may gain from sales of his vehicle,
	ricklin says the represents something im-
	ortant.
	Decide whether the following statements are true or
false	e. If they are false, please correct them according to
wha	t you have heard.
()1. According to Donald Foley, backers of the competi-
	tion want to move the industry away from vehicles
	that rely on petroleum-based fuels.
()2. The Automotive X Prize is focused on developing a ve-
	hicle that can get 100 miles per gallon, or 34 kilome
	ters per liter.
()3. The vehicles chosen for the final competition will com-
`	pete in a cross country race in 2009 and 2010.
()4. Already more than 15 teams from seven nations have
(
	signed up to compete.
	(1) 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1
ئ ا	Note:
	Two the state of t

科特人以才節

Unit 5	
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French, German Scientists Win Nobel Physics Prize

Words & Expressions

electrical resistance	电阻
convert v.	转换
binary bits of data	二进制比特数据
retrieve v.	重新获得
microscopically ad.	微小地
miniaturization n .	微型化
sensitivity n .	敏感性
coveted phone call	渴望的电话
venerable a.	庄严的
auditorium n .	礼堂

Exercises

Fill in the blanks with the information you have heard from the report.

1.	The two researchers	discove	discovered the physical effect,				
	and both its	practical imp	ortance as a	means to			
	cause magnet	tic changes to	o bring about	·			
	differences in electrical	resistance.					
2.	With this, wh	ich was made	in,	one found			
	a system where the ma	gnetoresistanc	e w	ith 60 per-			
	cent.						
3.	Miniaturization of h	ard disks	pack	king more			
	into ever-smal	ller areas	weaker a	nd weaker			

resistance.

4.	It is a Nobel	that winners	receive	the	coveted	phone
	call from Stockholm	just	before	the	announc	ement
	is to the asse	embled	•			

Decide whether the following statements are true or false. If they are false please correct them according to what you have heard.

- ()1. Albert Fert and Peter Gruenberg are honored with this year's Nobel Prize in Chemistry.
- ()2. The first readout head based on Fert and Gruenberg's discovery was introduced in 1988.
- ()3. Nobel week continues with the announcement of the chemistry prize on Wednesday and literature on Thursday.
- ()4. In accordance with Alfred Nobel's 1879 will establishing the prizes in his name, the Nobel Peace Prize will be announced in Oslo, Norway on Friday.

