

AMATEUR ASTRONOMER

provides Chinese students with
cutting-edge science contents

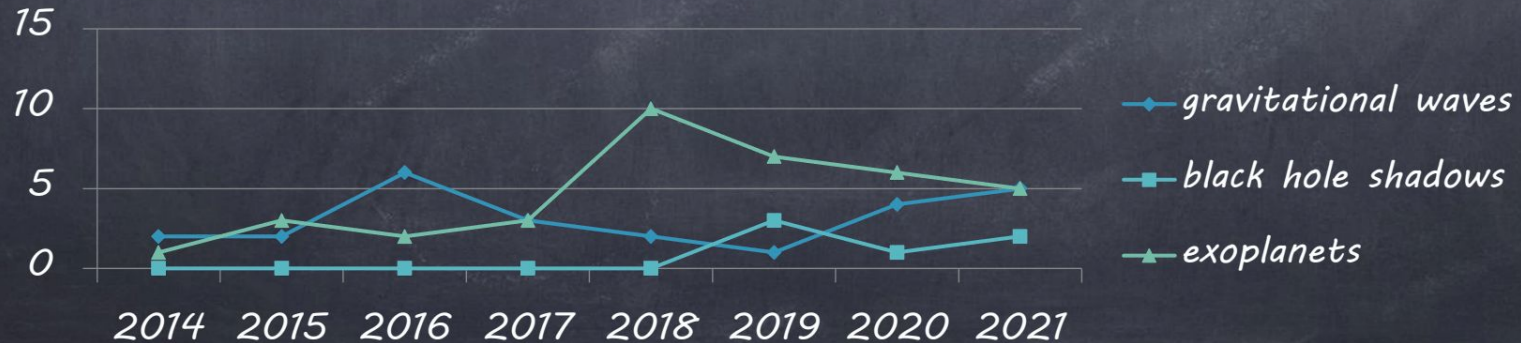


Feng Chang
Beijing Planetarium



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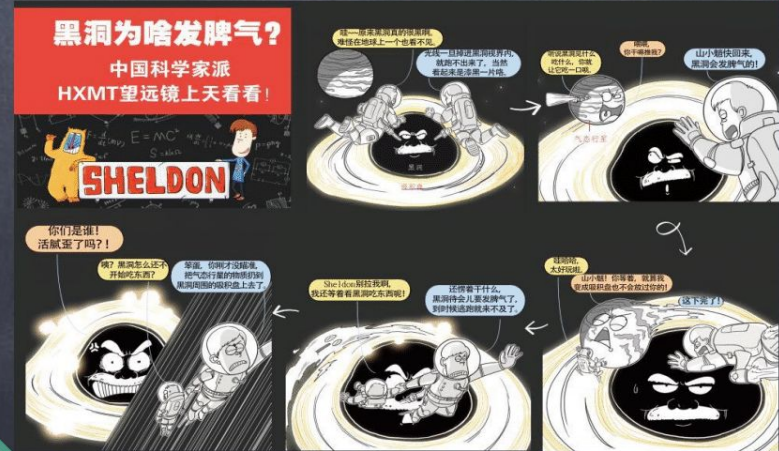
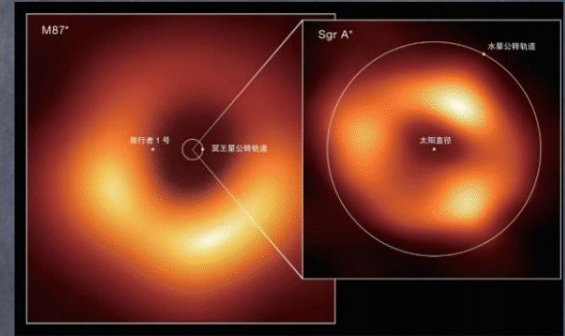
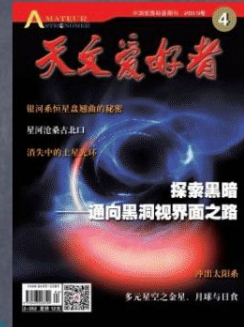
- *AMATEUR ASTRONOMER* was founded in 1958, and it is the earliest and most influential astronomical science magazine in China.
- The magazine mainly introduces the basic knowledge of astronomy, tracks the hot spots of astronomy, and cultivates the observation practice ability of young astronomy enthusiasts.
- The magazine has a monthly circulation of 16,000 copies, and the readers of the magazine are mainly young students in school.
- For the frontier achievements of astronomy, the magazine can quickly respond, accurately interpret, and keep an eye on the topic.
- Based on actual data(number of articles published per year), the magazine had annual introductory articles in the field of *black hole shadows*, *gravitational waves* and *exoplanets* during recent years. Especially when the black hole shadow news first appeared, it was immediately featured in the magazine.





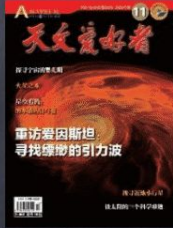
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- *AMATEUR ASTRONOMER* introduces both the basic background knowledge and the latest photos about the black hole shadow.
- The magazine has continued to give the fastest science interpretation.
 - ✓ From the initial prediction of the different black hole shadow forms that may be seen by the Event Horizon Telescope,
 - ✓ to the first release of a photo of the black hole at the center of M87 in April 2019,
 - ✓ to the release of an image of the M87 black hole in polarized light in March 2021,
 - ✓ to the recent release of a photo of the black hole in Sgr A* at the center of the Milky Way in May 2022.
- The specific formats are varied, including cartoons, science pictures, and simplified articles to reduce reading difficulty and help students understand.





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issue
2015-11

Introducing Advanced LIGO.

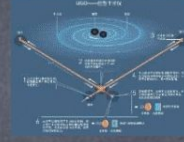
issue
2016-03

We found it!
GW150914 Gravitational wave event.



issue
2018-05

The importance for precise
cosmological studies.

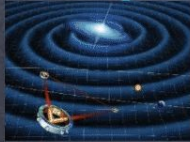


issue
2020-12

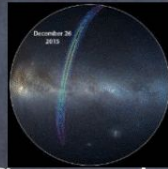
The Gravitational Wave
Laboratory of Beijing Normal
University.



Introducing LISA Pathfinder.



issue
2016-01



The second gravitational
wave signal GW151226.

issue
2016-07

The double black hole merging event
-- GW190521.

issue
2020-11

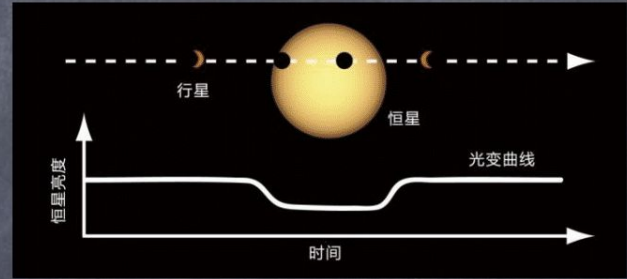


- AMATEUR ASTRONOMER tracks the early theoretical studies of gravitational waves to the later actual observations of the signal.
- A complete history of the development of gravitational waves is presented for young readers.
- In addition to theoretical knowledge and actual observational progress, the magazine also introduces the scientific institutions conducting gravitational wave research, giving students a comprehensive understanding of this cutting-edge progress.



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- About the topic of exoplanets, the magazine starts with students' reading interests and combines distant celestial bodies with the familiar atmosphere, oceans and temperatures on Earth.
- Combining the latest astronomical knowledge with students' imagination, it helps them understand the wide variety of exoplanets.
- The magazine also publicizes and promotes IAU's public-facing exoplanet naming programs.
- The event is a way to get students more interested in the topic of exoplanets and to learn more about the science involved.
- On the other hand, it also provided a place for teachers to exchange ideas, so that school teachers can also access more cutting-edge astronomical content.



恒星 / 行星编号	获胜提名名称 (含义)
海豚座 18	Musica (拉丁语“音乐”)
海豚座 18 b	Arion (古希腊诗歌与音乐天才)
天龙座 42	Falnir (北欧神话中的矮人)
天龙座 42 b	Orbital (向当地的发射基地致敬)
大熊座 47	Chalawan (泰国神话故事中的大鳄鱼)
大熊座 47 b	Taphao Thong (神话中被鳄鱼绑架的女子)
大熊座 47 c	Taphao Kaew (神话中被鳄鱼绑架女子的妹妹)
飞马座 51	Helvetios (拉丁语“瑞士”)
飞马座 51 b	Dimidium (拉丁语“一半”)
巨蟹座 55	Copernicus (哥白尼, 组成行星系统的基本模型)
巨蟹座 55 b	Galileo (伽利略)
巨蟹座 55 c	Brahe (第谷)
巨蟹座 55 d	Lipperhey (望远镜发明者利普荷)
巨蟹座 55 e	Janssen (望远镜的共同发明者詹森)

