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Cover story:

Working with FAST, the Five-hundred-meter Aperture Spherical radio Telescope of China, scientists detected a colossal atomic-hydrogen cloud in the vicinity of Stephan's Quintet, a mysterious group of galaxies. Measuring 20 times bigger than the Milky Way, it marks the largest gaseous structure known so far by human beings. The scientist also revealed a violent scenario hidden behind the apparently bizarre distribution and velocity of the gases. (For detail, please refer to page 213.)

With a bunch of important astronomical discoveries, FAST becomes a shining star in a list of top S&T advances selected by Chinese academicians from a galaxy of S&T feats that hit headlines in 2022. For more, please turn to page 204.

(Image credit: NAOC, NASA, ESA, CSA & STScI)

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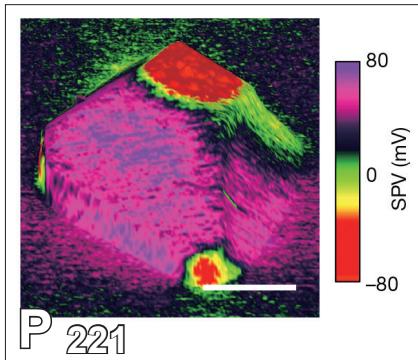
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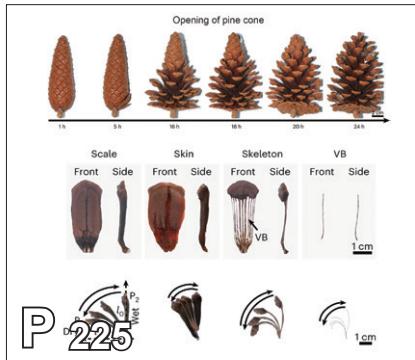
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