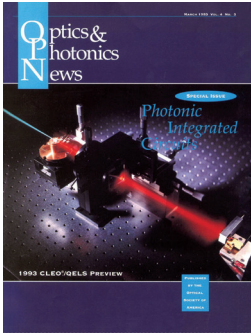


30, 20, and 10 Years Ago in OPN

“More than two decades have passed since the alluring concepts of integrated optics were first proposed. This period has been filled with innovative worldwide research on a vast spectrum of guided-wave device ideas, and commercial applications are finally beginning to



1993

appear ... For the first time, semiconductor lasers have demonstrated single spectral and spatial mode outputs in excess of 2 W cw. This milestone demonstration opens up a number of new markets that have traditionally been inaccessible for laser diodes, including space communication, high-power frequency doubling, materials processing and high-resolution printing.”

“Photonic integrated circuits for high-power coherent diode lasers,” Optics & Photonics News, March 1993, p. 11

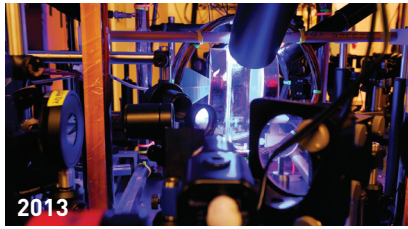


2003

iStock

“After decades of talk and stop-and-go testing, commercial fiber-to-the-home installations are finally becoming a reality. Although the phenomenon remains small—only 50 systems were operating at the end of last summer—the number of new installations continues to grow. Interestingly, the key players are not giant telephone or cable-television companies but small public utilities, rural cooperative phone companies and developers of large tracts of upscale housing.”

“Fiber to the home: Why ‘the Last Mile’ is truly the hardest,” Optics & Photonics News, March 2003, p. 26



G. Meek

“Researchers predict that practical quantum communications may be here within 10 to 15 years ... It’s conceivable yet fanciful: a quantum Internet. It would be exponentially faster and more secure than

current technology. Hackers and identity thieves would have no way of uncovering national secrets or personal information. Complex calculations and searches could be done with imperceptible lag time. The foundation for these possibilities lies in the fundamental unit of information in quantum computing systems—a photonic quantum bit (qubit).”

“Next-gen quantum networks,” Optics & Photonics News, March 2013, p. 34

Please direct all correspondence to the Editor, *Optics & Photonics News*, opn@optica.org.

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