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Cover photograph (Copyright © 2008, American Society for Microbiology. All Rights Reserved.): Thin-section transmission electron micrograph (TEM) of *Bacillus* sp. strain 6A with precipitated tellurium nanostructures highlighted in light blue. Cell constituents are colored deep blue and green on an orange field. The original TEM image was viewed using a Zeiss (Goettingen, Germany) CEM 902 transmission electron microscope at 80 kV and captured with a Soft Imaging System Mega View II camera (Olympus Soft Imaging, Lakewood, CO). The image was false colored using Adobe Photoshop CS3. (Photo courtesy of Shannon Modla, BioImaging Center, Delaware Biotechnology Institute, University of Delaware.) (See related article on page 7163.)