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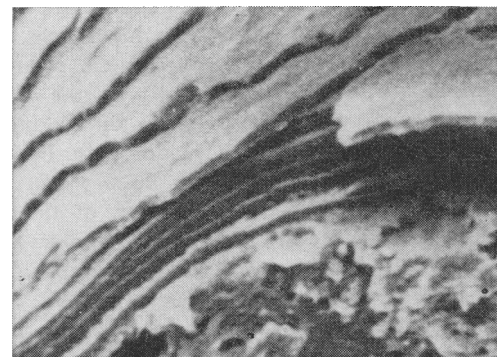
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(Cover) Scanning electron micrograph of human hair ( $\times 5000$ ). Ends were sliced off, revealing a central medulla (inner dark circle), cortex, and cuticle. (Above) Scanning electron micrograph of a human hair ( $\times 775$ ), sliced transversely, shows six layers of cuticle surrounding cortex. Cortex appears rough, unlike smooth surface seen in cover photo. [Emil Bernstein and Eila Kairinen, Gillette Company Research Institute, Boston, Massachusetts]

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