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American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are the work of scientists, to foster cooperation among them, to foster scientific freedom and responsibility, to promote the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.

COVER

Metallic glass ribbon cast directly from liquid metals at high speed. Such ribbons are expected to be useful in magnetic devices for reducing energy consumption and weight. [Courtesy of Allied Chemical Corporation, Morris-town, New Jersey]