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COVER PHOTO — This enhanced image from a NOAA weather satellite shows the surface temperature pattern off the coast of Norway. It was recorded in April 1980 at a rare time when the area was relatively cloud-free. A temperature-sensitive instrument in the satellite scans the ocean surface from an altitude of 900 kilometers and registers temperature variations of less than one degree. Norway is at the right, and the Shetland Islands are at the bottom edge. The white areas are cold clouds (or snow on the mountains of Norway). The "warm" colors (brown, yellow, green) indicate the warm waters of the Gulf Stream. The colder waters are shown in shades of "cold" purple. Submitted by Helge Ødegaard of International Business Machines A/S of Oslo, Norway.

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