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FATHER'S DAY GIFT GUIDE

Father's Day is just around the corner, offering a wonderful chance to show appreciation for the dads who make our lives special. To help you find the perfect gift, the Tempest Father's Day Gift Guide 2024 has some fantastic suggestions. Whether your dad loves the latest gadgets, practical tools, or smart home tech, there's something here for everyone.

- **Tech Gadgets:** The Epson Home Cinema Projector and Amazon Echo Show are great for the tech-savvy dad.
- **Practical Gifts:** The Dolphin Proteus DX3 Pool Cleaner is perfect for dads who love maintaining their homes.
- **Personalized Items:** Custom family name signs add a personal touch that shows you care.

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PROTECTING VINEYARDS WITH TEMPEST

Brix and Columns Vineyards in Virginia are protecting their crops from frost using Tempest Weather Stations. The Vineyard Vantage project provides real-time data, enabling immediate action during critical weather conditions. This technology helped the vineyard minimize frost damage during a surprise cold snap, reducing potential crop loss from 60% to less than 2%. Their innovative approach, which includes blockchain for transparency, sets a new standard in vineyard management.

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SCIENTISTS TURN TO WHALING LOG BOOKS TO UNDERSTAND FUTURE CLIMATE

During the height of the U.S. whaling industry in the 19th century, whalers relied on detailed wind observations to navigate the seas. These meticulously recorded descriptions, though initially mundane, have become invaluable for modern scientists studying climate change. By analyzing 4,200 logbooks from New England whaling ships, researchers are converting these qualitative entries into quantitative data using the Beaufort Wind Scale. Their work is revealing shifts in global wind patterns from the 18th and 19th centuries to today. Dive into the fascinating journey from whaling logs to climate science.

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2024 ATLANTIC HURRICANE SEASON PREDICTIONS ARE IN

This year's Atlantic hurricane season is anticipated to be **exceptionally active**, with the National Hurricane Center forecasting 17 to 25 storms. Climate change-driven warm ocean temperatures are fueling this surge, putting millions in the eastern U.S. at risk of severe flooding and damaging winds. Out of these storms, 8 are expected to become full-blown hurricanes, and 4 to 7 could escalate into major hurricanes, capable of causing significant destruction. This unprecedented number of storms far exceeds the average of 14 per season. Discover what this could mean for the upcoming months.

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HAVE YOU HEARD ABOUT ZOMBIE FIRES IN THE ARCTIC?

Zombie fires in the peatlands of Alaska, Canada, and Siberia vanish in winter only to reignite in spring, puzzling scientists with their early appearances. New research suggests these fires might ignite underground due to rapid atmospheric warming, not just remnants of surface fires. Their frequency has surged in the past two decades, aligning with accelerated Arctic warming. In early 2024, over 100 zombie fires were active in British Columbia.

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USDA GARDENING ZONES HAVE CHANGED

For the first time in 11 years, the USDA has updated its gardening zones map, reflecting changes in climate patterns across the country. This new map provides gardeners with revised guidelines to determine the best plants for their regions, taking into account the latest data on temperature shifts and weather trends. The update is crucial for both home gardeners and agricultural professionals, helping them adapt to evolving climate conditions and optimize their planting strategies. Learn how these changes might affect your gardening plans.

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