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Airships for Airheads

Division: Health Sciences

Category: Junior

Region: Northern Manitoba

City: Thompson, MB

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Abstract: Airships have been proposed to lessen the cost of transportation of cargo to isolated northern Canadian communities. Interested in improving the lift capacity of modern airships without compromising their safety, we proposed and investigated a modified gas cell design which increased their safety and efficiency, thus allowing for an expanded use of hydrogen. Our experiment confirmed the safety and practicality of our proposed modifications.