

### Calculations by Helfenstine...

$$\text{mph} \times 5280 \frac{\text{ft}}{\text{mile}} \times \frac{3}{10} \frac{\text{m}}{\text{ft}} \times \frac{60 \text{ min}}{\text{hr}} \times \frac{60 \text{ sec}}{\text{min}}$$

$$\frac{\text{miles}}{\text{hour}} \times \frac{\text{ft}}{\text{mile}} \times \frac{\text{meter}}{\text{ft}} \times \frac{\text{hr}}{\text{min}} \times \frac{\text{min}}{\text{sec}} = \frac{5280 \times 3}{10 \times 60 \times 60} = \text{meters/sec}$$

$$1 \text{ mph} = .44 \text{ m/sec}$$