

# THE CALCULATOR AFLOAT

A MARINER'S GUIDE TO THE ELECTRONIC CALCULATOR

BY CAPTAIN HENRY H. SHUFELDT, USNR (RETIRED)  
AND KENNETH E. NEWCOMER

A ship is underway (DRP) 11 speed 20 knots, and the apparent wind is blowing from 120° T at 25 knots. We require the direction and speed of the true wind. For algebraic (scientific) calculators, the key-strokes would be as follows:

11  $\times$  STO 00

25  $\div$  RCL STO 01  $\times$  RCL 00  $\div$  RCL 01 =

25  $\times$  STO 02

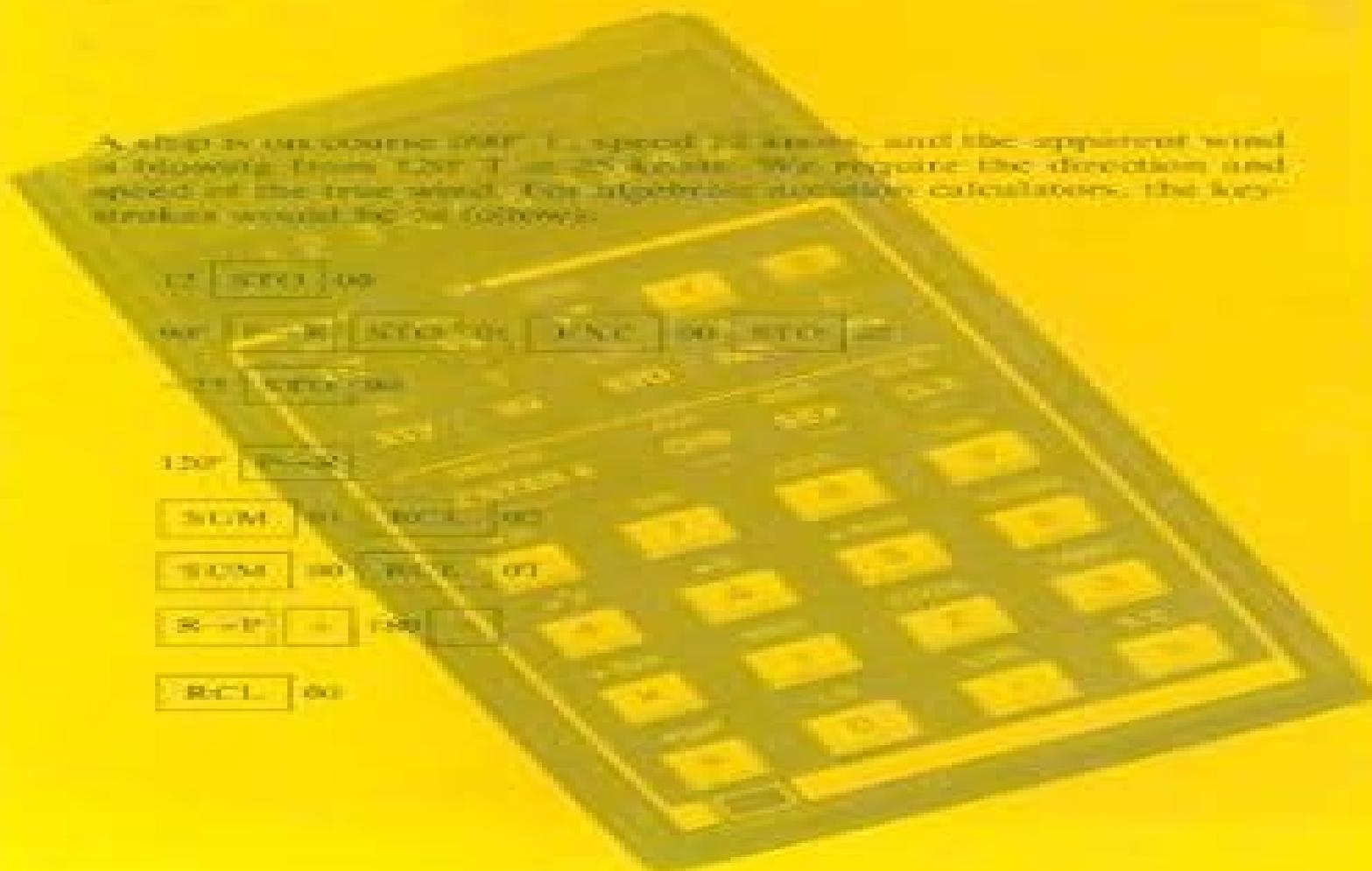
120  $\div$  RCL 02

RCL 01  $\times$  RCL 02 =

RCL 01  $\times$  RCL 01 =

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**RS Peters**



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web the goal of my experiment and research is to evaluate the various number of compounds to be used as hand warmers and locate the ones that can raise the temperature to 20 degrees celsius in 100 g water and costs as little as possible

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web in this lab you are challenged to use chemistry to determine which ionic compound makes the best hand warmer in this experiment you will collect data that will allow you to calculate the heat of solution  $\Delta H_{soln}$  or the amount of energy released or absorbed in kJ mol of the substance being dissolved

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