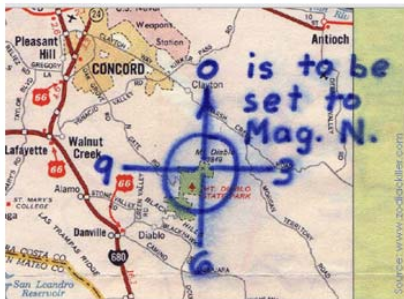


The Bomb code solution

By Henrik Sundberg and David Thelin

C Δ J I ■ O X J A M 7 ▲ Ω O R T G
X ⊙ F D V 2 ■ H C E L ⊕ P W Δ

P.S. The Mt. Diablo Code concerns
Radian's $\frac{4}{8}$ inches along the radian's



1: The Clock-face

Introduce the 24h compass bezel ring to the map as well.



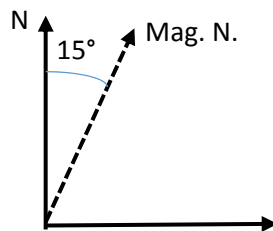
“is to be set to Mag. N,” = **Is to be set to magnetic north.**

What is to be set to Magnetic north?

Turn the V symbol on the 24h compass bezel ring to the magnetic north. At the time of the 1970 the magnetic north had a deviation of around 15degrees compared to north. See figure below.

http://www.seikowatches.com/support/ib/pdf/SEIKO_RCR07.pdf

http://en.wikipedia.org/wiki/Magnetic_declination



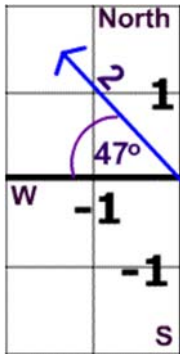
15° ($90^\circ/6=15^\circ$) equal one step clockwise.

The red pointer on the clock face is the 24-hour hand point. This pointer will point out the direction of the location of the bomb.

In what direction should it point?

2: The direction and the code for the direction.

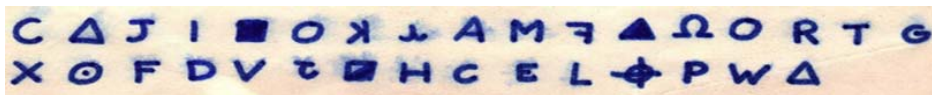
Example of how to present the direction and the magnitude of a vector.



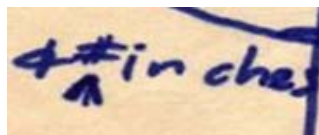
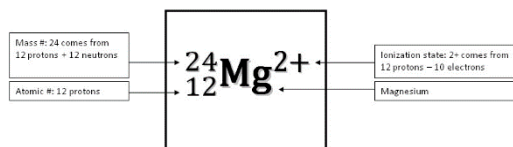
The direction of the vector is 47° North of West, and the vector's magnitude is 2.

<http://www.mathwarehouse.com/vectors/>

The Code.



Ω O R T G X ⊙ F D V ♣ = North of West



http://upload.wikimedia.org/wikipedia/commons/6/64/Atomic_Symbol.jpg

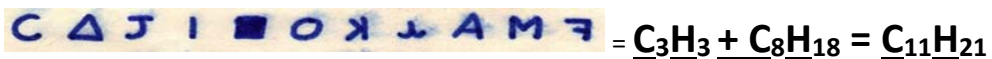
Could the code have something to do with chemistry?

And the # is number of atoms?

O X J A M ♣ = OCTANE = C₈H₁₈

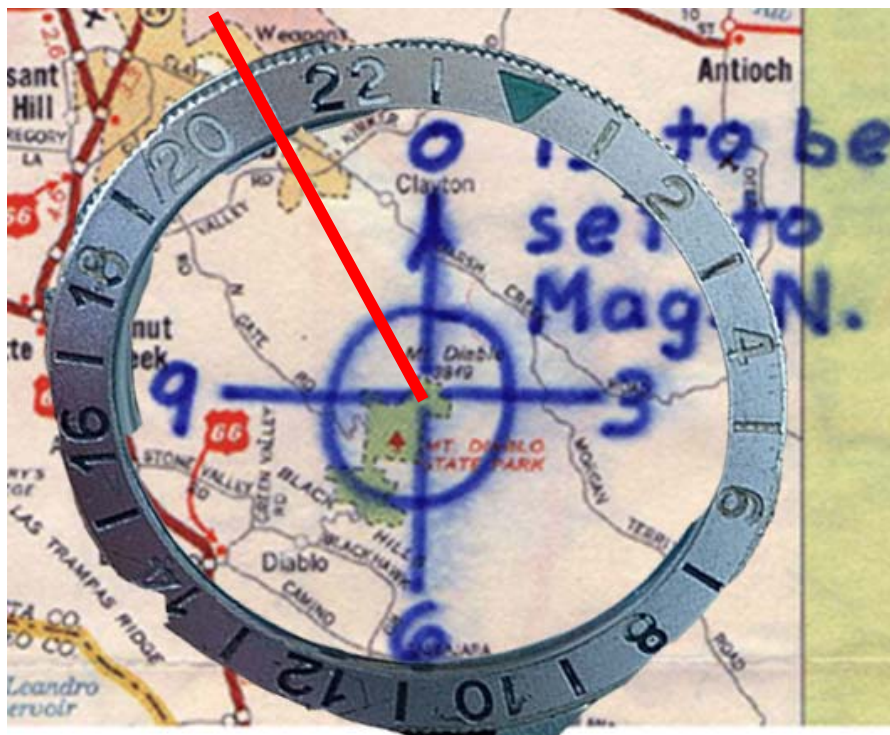


http://www.chemthes.com/entity_datapage.php?id=54



The Direction:

Add the 24 hour compass bezel ring to the map and rotate 15 degrees clockwise (set to magnetic north).



C₁₁H₂₁ tells us the two numbers 11 and 21, being the numbers on the Clock (11) and the 24 Hour bezel (21).

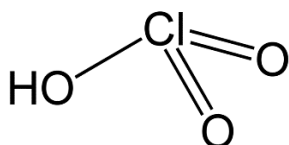
From this the direction is clear.

what is then the magnitude of the vector?

The magnitude of the vector:

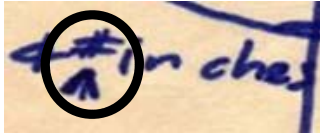


This code reminds of the molecule of HClO₃ and also how the molecule look. (P changed to O and Δ = 3).



http://en.wikipedia.org/wiki/Chloric_acid

There is letter E and letter W in the code. The clue from the letter is that the lower line in the code has to do something with vectors and upper line again number of atoms.



Between HCEL and PWA is the zodiac sign, it could also mean the center a coordinate system.



And letter E means East and letter W means West in that coordinate system.

So HCl East and O₃ west.

HCl = 2 atoms

O₃ = 3 atoms

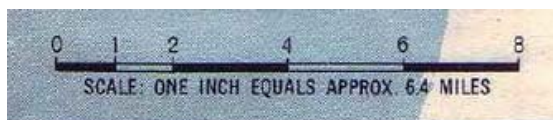
A vector pointing West that has the magnitude of "3 atoms" and a vector pointing East that has the magnitude of "2 atoms"

The sum of these vectors is $3 - 2 = 1$

A vector pointing to the West with the magnitude 1.

From the clue in the letter, #inches → **1 inch magnitude.**

The location



Another Clue in the letter

The symbol, prior to # and the “arrow”, meaning “and” in previous Zodiac letter, but for this code it helped to locate the position.

