

CR C Hand book

2/5/01
at 4:30 p.m.

Pg. 4-25

- Ru - hard, white metal
- does not tarnish at room temp.
 - oxidizes in air at 800°C

Ru can be plated by thermal decomposition methods.

H₂S can be split catalytically by 1gms using
an aqueous suspension of CdS particles
loaded with RuO₂

Ru^(RuO₄) tetroxide, is highly toxic and may
explode.

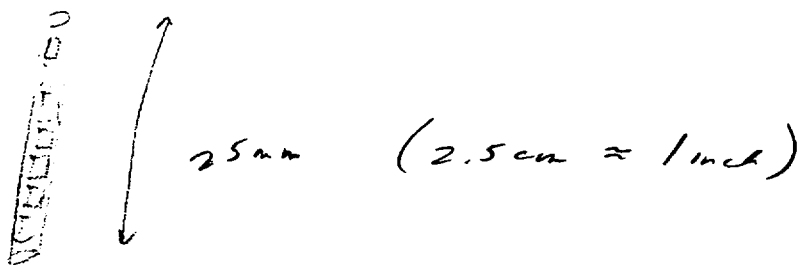
Pg. 4-92 to 4-93

	M.P.	B.P.
Ru	2310°C	3900°C
RuO ₂	d	
RuO ₄	25.5°C	d 168°C

d = decomposes (pg 3-8)

e/b

HCE3 Experiment



1500 °C - 1900 °C

took measurements every 300 sec

1 inch long specimen

<u>Test</u>	<u>Conditions</u>
H01	Ar/2% H ₂
H02	"
H03	"
H04	Ar/4% H ₂
H05	"
H06	"

full oxidation of sheath

No port to escape from sample