Report Д 0 Tests О Њ Bleeck-Radio Cells

determine discharge. the the request equest of Mr useful life F. Bleeck I carri
of Bleeck Radio carried cells out for co continuous c O

and, ВV ω was the 4 intervals each each test, voltage , readings Ω O the circuit ω δ cell s to l was care discharged the curren actual taken turrent the design the design to the design use). e 47 through a ret practically the "terminal resistance lly constant, al voltage" were L thus

enabling taken . OH, opening the cir the E.M.F. or the resistance tedo e the for a few circuit vo smallw seconds readings voltage of the cell to be determined. falling off 04 the

current Corrections during the were night periods. for

made

the

graphs The and 0 the tail date ed results OH, Bom f the tests practical Ø s are shown importance en th the e attached below.

A n De "De polariz Discharged ini 15 H E.W.F. ng fluid" t .5 amp. 2,58 2,58 80% 0 H full Ø trength

45 m	TIME
70t	TERMINAL VOLTAGE
	RESISTANCE
ψ. Υ.Υ. Ο ΙΟ	AMPERII-HOURS

Ħ Discharged imitial а +5 t.5 ex dure \mathcal{N} 66

TIME 0 hours	3-20
TERMINAL VOLTS 2.52 2.0 1.76	
. 28 . 28 . 64 . 75	
27,5 32.5	

 Ω Discharged initial ф ф 王。116.11。王。 ட dure N 62 Volt

	10 "	TIME O hours	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	TERMINAL VOLTS 2.354	
	. 85	RESISTANCE, 27 ohm	
_	21,5		

U), initial Discharged a φ H . M.H. amp. \mathcal{N} 66 Volt

0 hours	TIME
7,039 1,039	TERMINAL VOLUS
•27 ohm 94	RESISTANCE
N 9,5	AMP BRE-HOURS

国 01d pattern cell w_ "Bleeck-Lo 2.56 Tove" 0 Q ct stamped

initial H.M. H. Volt.

Discharged († (p) odma.

 420 42.5	HILL
2000 1000 1000	TERMINAL VOLTS
 	RESISTANCE
2 C C C C C C C C C C C C C C C C C C C	AMP HRE-HOURS

Throughout noticed. the above tests no current fluctuations were

뻘 Discharged initial c+ آن 田。加。田 S dura 'n 4 Volt.

4,4 4,0 = 1,2 = 1,	TIME 0 hours
1.47 2.00	TERMINAL VOLTS
7. 17. 24.	RESISTANCE
140 200	AMPTRE-HOURS

5.8 a sdwe an extent After extent that which fell standing tent that 40 for the r 24 hours e cell gav 5.5 amp. hours gave H. the g one resistance short circu minute. circui had lit: g fallen current

for ecc by a te rated a fallen large 9 odme. test This conomical ^{દા}. છ currents from 4. that for short per cal prolonged dist in which two cent 4 Volt 8 Wat om 4.5 4 that, while the rt periods, 2 amp ged discharge. The cells in series ΩĦ ls in se n 3½ hou volts, nours and amp. i the terminal the were cell ري ب is too Large is too Large conclusion w current voltage from 2 a ot to 0 ω 0 H3 ဂ f giving current confirmed dure Ø had lamp

IW for the C,D type in series-parallel ď rom for cells But Boro grang than tests 20 and series hours cel 40 the ದ hours. same s C,D ar and a 4 4 Volt 4 Volt before results and 4 the voltage d ld E indicate . Volt 4 Watt 8 Watt lamp t the lamp or the lamp dropped t The lamp with lamp r four c 3 wolts ተጥዕ would cells ර්ල cells ls in

C ONCLUSIO

01d

Old pattern at 1.0 "	Present cell at .5 amp	LUSIONS.
_	d.	
28	10	Capacity in . to 2 Volt
41	י ו ע ט ע	Ampare-hours

14

pattern to the n the rates new The of Toal more Bleeck-Love" pattern. I rapid marked increase in res This difference difference snorod 10d resistance ence would be between between the cell and those with sistance of cell 0 م Less the new, is du ls fitted with marked for slo with the ß. due lower

(Signed) H March Parnell, March 14, 1927

of fact, i.
immediate (
and "opini(NOTE. i my ithe the deductions. I have confined experimented re one Ht report. <u>տ</u> Ի. fined my pad results better, 1 remarks str ts obtained I think, no strictly ted in the 10d را 0 he tests and mix "facts"

recuperates expect that weeks those cell Earlier reell does obtained the at for cell v t 0 reports ton s ome Ę, would ports by Sir Thomas Lyle of rapidly deteriorate of some extent after dischalintermittent use over a щy give : resul use sults discharge over a per α Ø 008 go period od as, i and ge I 0 should, thers y Dot hers indicate circuit. As ot exceeding thr not better than As it therefore, that

slow Radio o voltage drop battery is 6 steady current given by the p for currents up to eminently suitable for use amp us e combined sugges; with wi ests that wireless with .s that the 8708 177 Bleeckvery

sdure esoum for 5 0 valves total : rnour Ø and, s by filament Mou æ according a two cell g eut the market co ಕ್ಷಾರ ಕ್ಷಾರ tet it is easy consumption d to my tests, substitery before such does to rechamging. design tom set exceed t could ω valv g.2

give C 23 MOI $\boldsymbol{\Phi}$ qually O H ou steady other primary dischare scharge cell Η̈́ comparable voltage

(Signed) Н March Parnell, [arch 14th,