

1711071. H.C.2. LAW. J.H.

66, KIMBET ROAD,
ASHFORD, MIDD.

THE CLERK CODE

A	J	K	L
B	K	L	M
C	L	M	N
D	M	N	O
E	N	O	P
F	O	P	Q
G	P	Q	R
H	Q	R	S
I	R	S	T

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		

To regular

A - all	K - King	V - Unale
B - Baker	L - Lion	V - Vor
C - Charlie	M - Manky	W - William
D - Dog	N - Nan	X - X. King
E - Easy	O - Oble	Y - Yorker
F - Fia	P - Peter	Z - Zabra
G - George	Q - Queen	
H - How	R - Roger	
I - Iam	S - Sugar	
J - Jig	T - Tare	

Administration

1/1/20

R.A.F. started about 1897 as a Nautical school at Blackton for R.N.S. - the training different about every year or so. Moved to Shanklin - built Quay for making bottoms & equipment.

Renamed the ship Blackton - R.N.S. - the office in 1916 the name.

Following year divided into Administrative Service for training & Naval Services - renamed R.F.C. 1918 - Naval section renamed R.N.A.S.

- 6 R.N.A.S. under the Office of R.N.A.S. under Admiralty

1917. the three institutions that provided for the branch - in 1918 R.A.F. of today formed & governed by Council.

Organization of R.A.F. - R.A.F. consists of R.A.F. itself - R.A.F. move - the three Offices - Special Branch - the R.A.F.V.R. & the R.A.F. (Naval section - R.N.A.S.) the 2 are controlled by the type that is written. the Council is body of people - Secretary of State for Air & under him are High Officers of R.A.F. & certain civilian from Parliament. 1920 - the Council (Civil)

- Secretary of State for Air - President (Civilian)

Particularly under Sec. of State for Air. (Raffles)

Chief of the Staff - (appointed by King)

then 3 members of the Staff: -

$$\begin{array}{r} 17- \\ \underline{10} \\ \hline \end{array} \checkmark$$

$$\begin{array}{r} 18 \\ \underline{9} \\ \hline 10 \end{array} \times$$

$$\begin{array}{r} 15 \\ \underline{6} \\ \hline 9 \end{array} \checkmark$$

$$\begin{array}{r} 19 \\ \underline{19} \\ \hline 0 \end{array} \times$$

$$\begin{array}{r} 22 \\ \underline{11} \\ \hline 11 \end{array} \times$$

$$\begin{array}{r} 13 \\ \underline{6} \\ \hline 7 \end{array} \times$$

$$\begin{array}{r} 14 \\ \underline{1} \\ \hline 13 \end{array}$$

$$\begin{array}{r} 12 \\ \underline{2} \\ \hline 10 \end{array}$$

$$\begin{array}{r} 10- \\ \underline{2} \\ \hline \end{array}$$

de-Bufft Peruvian

Spacer

Span 4' 7" - length 3' 8". Slight taper L to R, nose taper T to B - round tips - low wing. Small fins at roots - no Di inboard section - also Di. 6 wing tips. Short nose. Fuselage tapered to tail - small cockpit faired into fuselage - high tail-plane. Full span T to B. - round tips - large round fin & rudder - extending below fuselage 15" - rounded tail-wheel. Doble engine - long radiator forward. 4 cannons in wings. Fuel nose & about 100 lbs in tail engine.

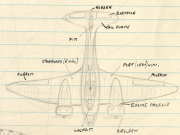
Warrior - Partially identical - span 4' 2" - length 3' 8". Vulture engine Spencer Elliott -

(F.A.A.) elliptic wing. Span 35' length 38' 6" biplane engine (radial). Single seat. Taper on L to R edges. Deep chord - square tips - slight Di. - deep fuselage with hump-back faired by cockpit & faired in curve to fin. Taper L to R of fin. Square rudder, square top. Mid set tail-plane. Full span L to B. but cut in T to B - square tips. 4. also duct under wings. 1200 lb. Weight biplane - top speed 220 mph - range 850 miles & climbing 20,000' - 4 machine guns in wings.

Ballistics

Advanced addition of sharp. Can origin American

Bank - 2 small radial (Lyons) engines - wings mid-set. slight
Di. front view. Tail legs 2. 27. 27. to main legs. T.E. broken
by engine nacelles - engine mid-set. fuselage long & narrow -
legs sloped rear tail. broad gun emplacement under amidships
- nose long & flat - step-up cockpit along to gun position
then straight to tail legs for a round under. Tail plane
set high & oval. span 6' 6" Length 28' 5"



Navigation

Compass, A.S.S. & electronic

aligning - obtain types of maps

1. Plotting maps - for laying off your flight route - very few features - use letter G.S.S. 2000

2. Topographic - for map reading: containing varying information according to scale.

Scale - (a) 1" to 5 miles (A.S.S.) = $\frac{1}{253440}$

(b) $\frac{1}{250000}$ or 1:250,000 = 1" on map = 250,000" on ground (approx 7.92 miles)
- (use letter = K.A. (1/250,000))

(c) $\frac{1}{250000}$ of average & average terrain (A.S.S.) = 7.92 miles

(d) $\frac{1}{500000}$ - 1" to nearly 2 miles (A.S.S.) (3.96 miles)

The Ideal map

Is one which gives the minimum amount of pertinent flight. Large scale of small length & vice versa. small scale for long flight. Best map for bank & terrain. Long scale map: to read on map signs - The conventional signs

1. Physical signs - canals, River, river - roads.

Symbol - (a) the characteristic e.g. Palms & bamboo suggest tropical areas

(b) different symbols of diff. kind of soil and vegetation.

(c) Relief (height of land) - hachure tinting.

Not important - Basic symbols (brown)

1. Light - narrow & close - (continually being altered)

Slope of high ground usually indicated by brown contour lines

2. usually better than lines

Relief or Height

1. Hachure tinting. (color becomes deeper)

2. Contour lines.

3. Hachures - height on plotting maps. - Spot heights

- dot indicates highest point in contour area.
(with metres or ft. indicated) at all intervals make sure of
given in distance of feet.

The Value of different Features.

1. Coast line.

2. Plate features i.e. Rivers, Lakes, canals, lakes,
& big reservoirs.

3. Hills & mountains.

4. Built up areas (cities & towns).

5. Railways (not very helpful) unless distinct.

6. Roads. (not very important)

7. Woods (if small practically useless).

3. Forests - (probably too big)

Very Important to learn to judge direction & distance.

map/plan

Projection

The projection of a map is the picture you obtain
if representing the earth's spherical shape on a flat
sheet of paper. The oblique projection is used for
the plotting map as it maintains a parallel of
latitude appear as parallel straight lines.

Vertical Interval

1. The difference in level between successive
contours varies according to the scale of the map
This difference is called the vertical interval. On
contour maps called the vertical interval.

31 Days

¹⁹³⁴
MARCH, 1934

67

Very old wind & WEDNESDAY (27-296) Sunny
A fine morning after a quiet night
John still there. Lion roared
9:30 AM all clear 9:45 AM not a
bump or plane heard.



$$b^2 = AB^2 + AC^2 = 5^2 + 10^2$$

$$b^2 = 25 + 100 \therefore b^2 = 125$$

$$\therefore b = \sqrt{125} = 11.18 \text{ miles}$$



$$b^2 = AB^2 + AC^2 = 14^2 + 8^2$$

$$b^2 = 196 + 64 = b^2 = 260$$

$$\therefore b = \sqrt{260}$$

$$\begin{array}{r} 14 \cdot 8 \\ \hline 112 \\ 208 \\ \hline 220 \end{array} = b \text{ (or } CD) = 14.8 \text{ miles}$$

2. $\frac{1}{2} \cdot 4 \cdot 6$
 12 area $\frac{1}{2}$ then $\frac{1}{2}$

Advanced

1. $3x^2 + 8x - 3 = 0$

3 b. 197.752.

c. $\frac{8}{9} = 17) 0.000000 (0.47058$

$$\begin{array}{r} 8 \\ 72 \\ \hline 179 \\ 160 \\ \hline 190 \\ 180 \\ \hline 10 \end{array}$$

Answer = 0.471 boat's speed.

Sec. II = 6 yds = $\frac{1}{2}$ of $\frac{1}{2} = \frac{1}{4}$... $\frac{1}{4} = \frac{1}{2} \times \frac{1}{2} = 60$ yds.

2. 360 yds = 1609.52 meters

$\therefore 1 \text{ yds} = 1760 \overline{) 1609.52 (0.9145}$

$$\begin{array}{r} 1760 \\ \underline{1584} \\ 2552 \\ \underline{2304} \\ 2480 \\ \underline{2304} \\ 176 \end{array}$$

Answer = $1 \text{ yds} = 0.9145$ meters.

$$\begin{array}{r} 9100 \\ \underline{1800} \\ 7300 \end{array}$$

2. $\begin{array}{r} 432 \\ 618 \\ \hline 876 \end{array}$

$9 \overline{) 926} (214 \text{ ell. P.N.}$

$$\begin{array}{r} 18 \\ \hline 18 \\ \hline 16 \end{array}$$

Intermediate

1. (a) $\frac{2x-1}{5} = \frac{3x+1}{2} = \frac{2}{5} \quad (\times \frac{1}{2})$

$4x-2 = 15x+5 = 4$

$4x-15x = 2-5+4$

$-11x = 1 \quad \therefore x = -1/11$

(b) 1. $\frac{5a-b}{a^2+b^2} = \frac{a-2}{2+a} = \frac{7}{19}$

2. $\frac{16-a}{10+a^2} = \frac{6-a}{100+a}$

3. $\frac{4a-b+2c}{5a} = \frac{c-1+10}{10} = \frac{15}{10} = \frac{3}{2}$

2. 360 mph = 1 mile = 2.54 cm or 0.0254 meters.

360 mph = 3600 ft.

1 " = 10 "

1760 yds = 10 "

5280 " = 10 "

528 " = 1 sec. = 6536 miles in 1 second.

= 0.0254 x 6536.

= 0.0254×6536

$\underline{6536}$

0.1524

0.762

07.62

$\underline{152.4}$

160.9344 meters per second.

Arithmetic - Elementary

Sub (a)	$\begin{array}{r} 2756 \\ 4017 \\ 892 \\ 2109 \\ \hline 53072 \end{array}$	b. 10832	$\begin{array}{r} 10832 \\ 562 \\ \hline 10270 \end{array}$	c. 275	$\begin{array}{r} 125 \\ 1390 \\ 556 \\ 278 \\ \hline 34750 \end{array}$
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d. $70 \overline{) 4872} (52.9671$

$$\begin{array}{r} 480 \\ 277 \\ 284 \\ 890 \\ 22 \\ 630 \\ 552 \\ 680 \\ 224 \\ 360 \\ 214 \\ \hline 14 \end{array}$$

2. a. $\frac{1}{2} + \frac{2}{7} - \frac{1}{4} + \frac{1}{6} = \frac{6+8-7+7}{42} = \frac{7}{12}$

b. $\frac{1}{4} + \frac{2}{3} + \frac{1}{6} + \frac{1}{8} = \frac{1}{4} + \frac{2}{3} + \frac{1}{6} + \frac{1}{8} = \frac{6+16+4+3}{24} = \frac{29}{24}$

c. $(\frac{1}{2} + \frac{2}{3}) + \frac{1}{4} + \frac{1}{6}$
 $(\frac{3+4}{6}) + \frac{1}{4} + \frac{1}{6} = \frac{7}{6} + \frac{1}{4} + \frac{1}{6} = \frac{14+3+2}{12} = \frac{19}{12} = 1\frac{7}{12}$

3 a. $277.3 \times .047$

$$\begin{array}{r} 2773 \\ 473 \\ \hline 11271 \\ 1387659 \\ \hline \end{array} = 130.7659$$

1817071

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