

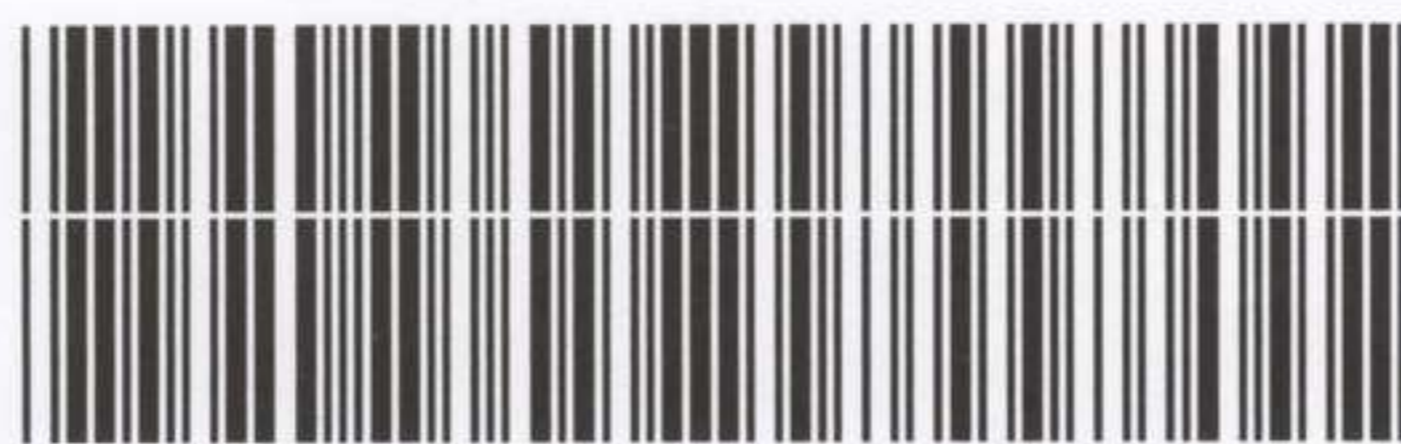
AWM4
Australian Imperial Force unit war diaries,
1914-18 War

Flying Corps

Item number: 8/8/2

Title: 5th Training Squadron, Australian
Flying Corps

October 1917



AWM4-8/8/2

Original

WAR DIARY FOR OCTOBER, 1917.

438

1st October.

Morning:- Heavy Fog, clearing about 8.30 A.M. and becoming very good for Soloists on M.F.S.H.

Evening:- Gentle breeze - clear - very good for instruction.

Flying Times for flights - 1/10/17.

"B" Flight	6 Hours	
"C" Flight	8 Hours	5 Mins.
	<u>14 Hours</u>	<u>5 Mins.</u>

2nd October.

Morning:- Thick Fog until 8.30 afterwards good for advance soloists.

Evening:- Strong Westerly Wind, very bumpy, not good for shorthorns.

Departures:- 4 Cadets marched out for Higher Instruction See App 1.

Flying Times for Flights, 2/10/17.

"B" Flight	4 Hours	10 Mins.
"C" Flight	5 Hours	30 Mins.
	<u>9 Hours</u>	<u>40 Mins.</u>

3rd October.

Morning:- Good till 8.00a.m. After too bumpy for M.F.S.H.

Evening:- Strong S.W. Wind, not suitable for M.F.S.H.

Departures: 2 Cadets marched out for Higher Instruction. See App 1.

Punishment: No. 3125 Pte Hutcheson, T.L. 4th Bn., A.I.F.
 "Drunkenness" Award 7 days C.B.
 No. 1566 Pte Jones, G.T. 53rd Bn., A.I.F.
 "Drunkenness" Award 14 days C.B.

Flying Times for Flights, 3/10/17.

"B" Flight	4 Hours	15 Mins.
"C" Flight	4 Hours	40 Mins.
	<u>8 Hours</u>	<u>55 Mins.</u>

4th October.

Morning:- Heavy Rain throughout day, strong breeze.
Evening:- Intermittent showers, very bumpy.

Departures: 1 Cadet marched out for higher instruction..... See App 1.

Flying Times for Flights, 4/10/17.

"B" Flight	15 Mins.
"C" Flight	15 Mins.
	<u>30 Mins.</u>

5th October.

Morning:- Raining continuously from 6.20 a.m.
Evening:- Very bumpy N.W. Wind.

Death: Gnr Herford, 1397, at Prees Heath Military Hospital.

Flying Times for Flights, 5/10/17.

"B" Flight	45 Mins.
"C" Flight	15 Mins.
	<u>1 Hour.</u>

6th October.

Morning:- Raining intermittently, too bumpy for M.F.S.H. instruction.
Evening:- North W. Wind too bumpy for instruction.

Departures. 1 Cadet marched out for Higher Instruction. See App 1.

Strength. The following man admitted to Prees Heath Military Hospital on the 5th September, 1917 is struck off the strength from the 5th October, 1917.

No. 35 2/A.M. Cheffins, A.
 Auth C.R.T.D. 1028/3/95 dated 4th Sept, 1917.

Flying Times for Flights.

"B" Flight	2 Hours 40 Mins.
"C" Flight	2 Hours
	<u>4 Hours 40 Mins.</u>

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7th October.

Morning:- Raining Northerly Gale, no good for anything.
Evening:- Northerly Gale do do.

Flying Times for Flights, 7/10/17.

"B" Flight	20 Mins.
"C" Flight	25 Mins.
	<u>45 Mins.</u>

8th October.

Morning:- Windy & very bumpy: unsuitable for Shorthorns.
Evening:- Continuous Rain.

Departures. 7 Cadets marched out for Higher instruction. ----- See App.1.

Arrivals:- 5 Officers reported for higher instruction:- ----- See App.1.

Flying times for flights, 8/10/17.

"B" Flight	45 Mins.
"C" Flight	25 Mins.
	<u>1 Hr 10 Mins.</u>

Punishment: No. 12341 2/A.M. Stewart, C.K., (AFC) for absence without leave from 1/10/17 till 11.30 a.m. 4/10/17. Awarded 7 days detention by Major A.W.Tedder, on 8/10/17 and forfeits 3 days pay under R.W.

9th October.

Morning:- Strong W.Wind, very bumpy and not good for M.F.S.H.
Evening:- Very rough, some rain. good between 5 & 6 p.m.

Arrival: 2 Cadets reported for higher instruction. See App 1.

Strength: 1 man reported from A.F.C.D Depot, Halton Camp, Wendover..... See App 1.

Punishment: No. 3674 2/A.M. Clifton, A.C., (AFC) for on 5/10/17
 "Neglect of duty" awarded 14 days C.B. by Major
 A.W.Tedder on 9/10/17.

Flying Times for Flights, 9/10/17.

"B" Flight	3 Hours 50 Mins.
"C" Flight	4 Hours 50 Mins.
	<u>8 Hours 40 Mins.</u>

10th October.

Morning: Very Rough, some rain.
Evening: Strong N.W. Wind, rough, not suitable for M.F.S.H.

Arrivals: 13 Officers reported for higher instruction. See App 1.
Departures: 1 Cadet marched out for higher instruction. See App 1.

Flying Times for Flights, 10/10/17.

"B" Flight	2 Hours 30 Mins.
"C" Flight	<u>2 Hours 50 Mins.</u>
	<u>4 Hours 20 Mins.</u>

11th October.

Morning:- Good for instruction till 10.45 a.m. after that windy.
Evening:- Bumpy at low altitude, but good above 3,000 Feet.

Flying times for Flights, 11/10/17.

"B" Flight	8 Hours.
"C" Flight	8 Hours 15 Mins.
	<u>16 Hours 15 Mins.</u>

12th October.

Morning:- Very Good, until 11 a.m. after that rain.
Evening: Very Good for dual and solo, a little rain.

Flying times for Flights 12/10/1917.

"B" Flight	10 Hours 30 Mins.
"C" Flight	6 Hours 35 Mins.
	<u>17 Hours 5 Mins.</u>

13th October.

Morning:- Slightly rough, N.W. Wind.
Evening:- Good, Slightly misty after 4.30 p.m.

Arrivals:- 5 Officers reported for higher instruction..... See App 1.

Flying Times for Flights. 13/10/17.

"B" Flight	10 Hours, 5 Mins.
"C" Flight	<u>8 Hours 45 Mins.</u>
	18 Hrs 50 Mins.

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A

14th October.

Morning:
Evening:Flying Nil. Squadron Holiday.

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15th October.

Morning:-
Evening:-Very Good.
Good after 3.30 p.m.Punishments.

No. 7600 1/A.M. Hardy, P.G. (AFC) for on 15/10/17 "Absent without leave from 6 a.m. 15/10/17 to 9 a.m. 15/10/17, 3 Hours"
Awarded 2 days C.B. by Major H. Petre, D.S.O., M.C. on 15/10/1917.

No. 1346 1/A.M. Bugg, W.A., (AFC) for on 14/10/17, "Absent without leave 12 Midnight 14/10/17 to 9 a.m. 15/10/17, 9 hours,"
Admonished by Major H. Petre, D.S.O., M.C., on 15/10/17 and forfeits 1 days pay under R.W.

No. 705A 2/A.M. Pruss I. (AFC) for on 14/10/17 "Absent without leave from 12 Midnight, 14/10/17 to 9 a.m. 15/10/17, 9 Hours"
"Admonished by Major H. Petre, D.S.O., M.C. on 15/10/17 and forfeits 1 days pay under R.W.

No. 1594 2/A.M. Fearn, W.A. (AFC) for on 14/10/17 "Absent without leave from 9.30 p.m. 14/10/17 to 8.20 a.m. 15/10/17"
Admonished by Major, H. Petre, D.S.O., M.C., and forfeits 1 days pay under R.W.

Flying Times for Flights, 15/10/17.

"B" Flight 9 Hours 5 Mins.
"C" Flight 8 Hours 45 Mins.
17 Hours 50 Mins.

16th October.

Morning:
Evening:Rain and wind 9.15, later good for instruction.
Good for instruction.

Punishment. No. 1049 Sergeant Davis, J.W. for on 15/10/1917, "Absent from Working Parade" Reprimanded by Major H. Petre, D.S.O., M.C.

Flying Times for Flights.

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16th October.

Flying Times for Flights.

"B" Flight	12 Hours 50 Mins.
"C" Flight	14 Hours 45 Mins.
	<u>27 Hours 35 Mins.</u>

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17th October.

Morning:- Dull weather, Good for instruction.Evening:- Very bumpy, no good for dual or new solos.Departures: 1 Cadet marched out for Higher instruction. See App 1.Strength. No. 935 Gnr Couston, A. taken on strength from 13th Machine Gun Company, A.I.F. and appointed 2/A.M. 3/5/17 (Authority A.I.F. Letter 1/Arv letter 3302/12/19 dated 15/10/17.Departure 1 N.C.O. marched out to A.F.C. Dept, Wendover. See App 1.Punishments:- No. 539 Corp McGregor, G.A. for on 13/10/17 neglect of duty, reprimanded by Major H. Petre, D.S.O., M.C. on 17/10/17.

No. 4853 2/A.M. Povey, P.A. for on 14/10/1917 (1). Absent without leave from 12 Midnight 14/10/17 to 10 p.m. 15/10/17 Absent 22 Hours. (2) breaking into barracks, in that he failed to report himself at the guard room on return, Awarded 7 days pay by Major A.W. Tedder and forfeiture. forfeits 1 days pay under R.W.

No. 2894 1/A.M. McNaught, P. for on 14/10/17 (1) absent without leave from 9:30 p.m. 14/10/17 to 10 p.m. 15/10/17 absent 24½ Hours. (2) Breaking into barracks in that he failed to report himself at the Guard Room on his return: awarded forfeiture of 7 days pay by Major A.W. Tedder and forfeits 2 days pay under R.W.

No. 6093 1/A.M. Strachan for on 14/10/17 (1) Absent without leave from 9.30p.m. 14/10/17 to 10 p.m. 15/10/17 Absent 24½ hours. (2) breaking into Barracks in that he failed to report himself to the Guard Room on return. Awarded forfeiture of 7 days pay by Major A.W. Tedder and forfeits 2 days pay under R.W.

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17th October.

Contd.

Flying Times for Flights 17/10/17.

"B" Flight 6 Hrs 15 Mins.
"C" Flight 4 Hrs 25 Mins.
10 Hrs 40 Mins.

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18th October.

Morning:- Good till 7.30 a.m. Very Bumpy after N.W.Wind.
Evening:- Very bumpy, Not suitable for M.F.S.H.instruction.

Flying Times for Flights 18/10/17.

"B" Flight 1 Hr 25 Mins.
"C" Flight 2 Hrs 40 Mins.
4 Hrs 5 Mins.

19th October.

Morning:- Good, N.W.Wind.
Evening:- Good N.W.Wind.

Punishment. No. 1566 Pte Jones, G.T. 53rd Bn. A.I.F. for on
16/10/17.

- (a) Drunkenness.
- (b) Resisting arrest.
- (c) Using obscene language.

Awarded 168 Hours detention and fined 2/6 by Major A.W.Tedder on 19/10/17.

Flying times for Flights 19/10/17.

"B" Flight 10 Hrs 15 Mins.
"C" Flight 9 Hrs 20 Mins.
19 Hrs 35 Mins.

20th October.

Morning:- Good for instruction.
Evening:- Bumpy. fair for instruction.

Flying Times for Flights, 20/10/17.

"B" Flight 11 Hrs 15 Mins.
"C" Flight 7 Hrs 30 Mins.
18 Hrs 45 Mins.

21st October.

Morning:- Very Windy & Bumpy unsuitable for instruction.
Evening:- Raining and Windy. No good for instruction.

Flying Times for flights.
"B" Flight 1 Hr 15 Mins.
"C" Flight 10 Mins.
1 Hr 25 Mins.

22nd October.

Morning:- Gentle S.W.Bræeze, very good for M.F.S.H. until 9.45 a.m. Afterwards very rough.
Evening:- Very Stormy wind with showers not suitable for flying.

Departures:- 5 Cadets marched out for Higher Instruction. See App 1.
Strength:- 1 man struck off strength having been 28 days from the Squadron.... See App 1.
Punishment. No. 1595 2/A.M. Gates, H.G. for on 19/10/17
"Absent without leave until 4 p.m. 20/10/17
Absent 16 Hours. Awarded 6 days C.B. by Major H.Petre
D.S.O.,M.C. and forfeits 1 days pay under R.W.

Flying Times for Flights.
"B" Flight 8 Hrs 10 Mins.
"C" Flight 5 Hrs 50 Mins.
14 Hrs. -- Mins.

23 October.

Morning:- N.W.Wind Showery, bumpy low clouds.
Evening:- Strong West Wind, not fit for flying, low clouds, showery.

Aircraft. The undermentioned machines etc. having been received
are taken on charge as shown:-
M.F.S.H. B.4733 with 80 Renault.221 W.D.1624.
M.F.S.H. B.2222 do. do. 350 W.D. 6729.
by 29 T.S., from 4th Wing 20/10/17.

Strength. 2 men struck off strength having been 28 days away from Squadron..... See App 1.
Punishment. No. 4787 Private Gallyot, E.R. 9th Bn.,A.I.F. attd A.F.C.
for on 22/10/17: (1) Refused to obey an order.
(2) Absent whilst under open arrest from 6 P.M.
22.10.17 to 9 a.m. 23.10.17.15 Hours. Awarded
6 days C.B. by Major H.A.Petre D.S.O.,M.C., on 23/10/17
and forfeits 2 days pay under R.W.

23 October.

Contd. Flying Times for flights.

"B" Flight	2 Hrs	5 Mins.
"C" Flight	3 Hrs	35 Mins.
	<u>5 Hrs</u>	<u>40 Mins.</u>

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24 October.

Morning:- Good until 10 a.m. then bumpy and windy.
Evening+- Unsuitable for flying raining & windy.

Remusterings. The following fitters are remustered as Riggers from the
 24th October, 1917.

No. 1594 2/A.M. Fearn, W.A.,	No. 1699 2/A.M. Mackie, F.W.,
No. 1506 2/A.M. Walker, R.E.,	No. 1596 2/A.M. Grave, J.
11868 2/A.M. Phillips, H.J.	

Punishments: No. 6981 2/A.M. McDonald, L.D.G. for on 22/10/17
 (1) Disobedience of Standing Orders in that he
 drove Light Tender No. 3674 at a speed in excess of
 5 miles per hour in Shawbury Village at 8 p.m.
 on 22/10/17. Award. Fined 14 days pay by Major A.
 W. Tedder on the 24/10/17.

No. 2215 2/A.M. Brown, W.J. for on 20/10/1917.
 (1) Absent without leave from 12 midnight 20/10/17 to
 9 a.m. 23/10/17, absent 2 days 9 Hours.
 (2). Breaking into barracks in that he failed to
 report himself at the Guard Room on return.
 Awarded 168 Hours detention by Major A.W. Tedder on
 24/10/17 and forfeits 3 days pay under R.W.

Flying Times for Flights.

"B" Flight	7 Hrs	50 Mins.
"C" Flight	11 Hrs	50 Mins.
	<u>19 Hrs</u>	<u>40 Mins.</u>

25th October.

Morning & Evening. Unsuitable for Flying M.F.S.H.
Flying times for Flights NIL.

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26th October.

Morning:- Frequent storms, continuing throughout the day.
Evening:- Strong S.W. Wind.

Arrival. 5 Officers reported for higher instruction..... See App 1.

Departures. 4 Cadets marched out for higher instruction..... See App 1.

Flying Times for Flights. 26/10/17.

"B" Flight 30 Mins.

"C" Flight 2 Hrs 5 Mins.

2 Hrs 35 Mins.

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27th October.

Morning:- Calm good for flying.
Evening:- Calm.

Flying times for Flights.

"B" Flight 22 Hours 15 Mins.

"C" Flight 16 Hours 15 Mins.

38 Hours 30 Mins.

Arrival 10 Officers reported for higher instruction

See App 1.

28th October.

Morning:- Good. Evening Showery. Flying Nil. Squadron Holiday.

29th October.

Morning:- Fair for instruction until 10.35 a.m.
Evening:- South Wind, very bumpy.

Flying Times for Flights.

"B" Flight 3 Hrs 45 Mins.

"C" Flight 4 Hrs 55 Mins.

8 Hrs 40 Mins.

30th October.

Morning:- S. wind, Too bumpy for M.F.S.H. instruction.

Evening:- Raining continuously S. Wind, Very Bumpy.

Departures. 2 Officers marched out to Australian Sub Pool, Hursley Park..... See App 1.

Arrival. 1 Officer and 1 O/Rank reported..... See App 1.

Punishment. No. 3750 2/A.M. Dynock, L.B. for on 29/10/17

"Whilst on Active Service" Failing to salute an Officer. Awarded 3 days O.B.

by Major H. Petre, D.S.O., M.C. on 30/10/17.

No. 4153 2/A.M. Collin, L.B. for on 25/10/17 "Whilst on Active Service" Neglecting to obey an order, awarded 6 days C.B. by Major H. Petre, D.S.O., M.C. on 30/10/17.

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30th October. Contd.

Flying times for flights.

"B" Flight	10 Mins.
"C" Flight	Nil.
	<u>10 Mins.</u>

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31st October.

Morning:- Clear, slight breeze good for instruction on M.F.S.H.Evening:- Gentle S.W. Breeze, good for instruction on M.F.S.H.Arrivals. 2 Officers reported their arrival See App 1.16 Cadets reported their arrival for
higher instruction..... See App 1.Flying times for Flights, 31/10/17.

"B" Flight 13 Hours 35 Mins.

"C" Flight 9 Hours 5 Mins.

22 Hours 40 Mins.

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Date.	Officers.	Cadets.	O/Ranks.	Casualty etc.,
1st.	11.	32	157	
2nd.	11.	28 "A"	157	"A" <u>Departure.</u> Cadets Couston, Cameron, Martin, & Lord to No. 30 T.S. (AFC) Tern Hill.
3rd.	11.	26 "A"	157	"A" <u>Departure.</u> Cadets Best & Blaxland to No. 34 T.S., Tern Hill.
4th.	11.	25 "A"	157	"A" <u>Departure.</u> Cadet Donnelly to No. 43 T.S., Tern Hill.
5th.	11.	25	156 "A"	"A" <u>Death.</u> No. 1397 Gnr Herford, W.H. at Prees Heath Mil. Hospital.
6th.	11.	24 "A"	155 "B"	"A" <u>Departure.</u> Cadet Montgomery, E. to No. 67 T.S., Shawbury. "B" No. 35 2/A.M. Cheffins, A. struck off strength (28 days in Hospital).
7th.	11.	24	156	
8th.	16. "A"	17 "B"	156	"A" <u>Arrivals.</u> 2/Lieuts Salmon, Cordner, Askin, Bayly, Harwood. "B" <u>Departures.</u> Cadet Feez and Rackett to No. 34 T.S., Cadets Hammond & Alb- erry to 73rd Squadron, Cadets Douglass, Hottes & Wolstenholme to No. 66 T.S.
9th.	16.	19 "A"	157 "B"	"A" <u>Arrivals.</u> Cadets Kay & Hilyard-Smith. "B" <u>Arrival.</u> No. 1321 2/A.M. Mettam, E.L.
10th.	29. "A"	18 "B"	157	"A" <u>Arrivals.</u> 2/Lieuts, Dolman, Edwards, Finlayson, Fuhr, Jones, Latimer, Mogridge, Portlock, Shorter, Starbuck, Robinson, & Lieuts Martin & McElroy. "B" <u>Departure.</u> Cadet Treacy to No. 66 T.S., Yatesbury.
11th.	29.	18.	157	
12th.	29.	18	157	
13th.	34. "A"	18	157	"A" <u>Arrivals.</u> 2/Lieuts Watson, Hargrave, Naish, Weatherby & Watt.
14th.	34	18	157	
15th.	34	18	157	
16th.	34	18	157	
17th.	34	17 "A"	156 "B"	"A" <u>Departure.</u> Cadet Fryberg to No. 66 T.S., Yatesbury. "B" <u>Struck off Strength.</u> No. 43 F/Sergt (A.T.W.O.) Mackinolty, G. returned to A.F.C. Depot.
18th.	34	17	156	
19th.	34	17	156	
20th.	34	17	156	
21st.	34	17	156	
22nd.	34	12 "A"	155 "B"	"A" <u>Departure.</u> Cadets Nelson & Barry to 73rd Squadron, Lilbourne: Cadets Grant, Cox, & Hope to No. 30 T.S., (AFC) Tern Hill. "B" <u>Struck off Strength.</u> No. 12341 2/A.M. Stewart, C.K.
23rd.	34	12	153 "A"	"A" <u>Struck off strength.</u> No. 1003 2/A.M. Stewart, M. & No. 1590 2/A.M. Dean, A.H. on being away from the Unit 28 Days are struck off strength of No. 29 T.S.
24th.	34	12	153	
25th.	34	12	153	
26th.	39 "A"	8 "B"	153	"A" <u>Arrivals.</u> 2/Lieuts Mitchell, Sutcliffe, Sparey, Ottewell, & Pickles. "B" <u>Departures.</u> Cadets Heath & Heathcote to 73rd Squadron, Lilbourne, Cadets Armstrong & Vidler to No. 66 T.S., Yatesbury.
27th.	40. "A"	8	153	"A" <u>Arrival.</u> 2/Lieut S. Sinclair.
28th.	40.	8	153	
29th.	40.	8	153	
30th.	39. "A"	8	154	"A" <u>Departures.</u> 2/Lieuts Jeffers J.P. & Moore W.P. to Aust Sub-Pool Hursley Park. "B" <u>Arrivals.</u> Capt McNaughton, A.L. (AFC). "B" <u>Arrival</u> 2/A.M. Sutherland, J.
31st.	41. "A"	24. "B"	154	"A" <u>Arrivals.</u> Capt Baillieu, S. & Lieut Oakes, R.S. A.F.C. "B" <u>Arrivals.</u> Cadets Dungey, Cumming, Heller, Rintoul, Kennedy, Ebeling, Hick, Rowe, Armstrong, Flight, Howard, Stutterd, Bailey, Grigson Jones, Wilson.

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MEDICAL STATISTICS FOR THE MONTH OF OCTOBER, 1917.

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DATE ADMITTED.	NO.	RANK.	NAME.		DATE DISCHARGED.	REMARKS.
2nd October.	1130.	A/CORPORAL.	MORGAN,	A.	24th Octbr.	
10th September.	1397	GUNNER.	HERFORD,	W.H.		Died 4/10/17, Military Hospital, Prees Heath.
26th September.	1346	1/A.M.	BUGG,	W.A.	5th Octbr.	
17th October.	26747	DRIVER.	HIXON,	J.		
24th October.	42	CORPORAL.	CHAPPLE,	E.J.		

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COURSE OF TRAINING IN AN ELEMENTARY TRAINING SQUADRON.

GROUND DUTIES. Before passing to Higher Training the following tests have to be passed.

1. WIRELESS, ARTILLERY & SIGNALLING. Six tests must be passed. Instruction is given^{at} daily classes of half and hour each by the Squadron Wireless Operators (N.C.O's or Air Mechanics) in the following subjects set out below. Examinations are held by the Wing Wireless Officer as pupils are reported ready by the Operators.

TESTS.

1. BUZZING. Six words per minute sending & receiving - Test three minutes duration.
2. ARTILLERY CODE. Written examination of six questions "Passed" = 80% correct.
3. ARTILLERY PICTURE TARGET. Ranging three targets correctly, sending their map coordinates and using Artillery Code & ground signals without error.
4. PANNEAU SIGNALLING. Reading miniature Panneau accurately from distance of 100 yards at rate of four words per minute.
5. SENDING ON SILENCED KEY. Clearly readable tape record at rate of six words per minute.
6. AIR TRAINING. Five times fully let out & wind up Aerial from Aeroplane in flight.

For "3" a model of country is made to correspond with the map to be used and is fitted with a number of small electric lights operated by switches by the Instructor. The flashes of the electric lights, represent shell bursts and the pupil is given a target and instructed to send by buzzer the Artillery correction for each flash as he sees it. The Instructor communicates with him by means of small strips of paper laid out to represent ground signals in the Artillery Code.

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2 GUNNERY.

Five tests in the Lewis Gun & 3 in the Vickers must be passed.

The Elementary tests consist of stripping and study of mechanism and the pupil receives two hours instruction daily from the Squadron Armourer (Sergt or Corp) or Assistant Armourer (air mechanics). He is examined by the Wing Gunnery Officer and must obtain 75% marks in all tests.

FLYING.

Before passing on for higher training the pupil must fly for a total of four hours solo on the aeroplane in use for elementary training, usually Maurice Farman (Short Horn) or DeHaviland 6. The procedure is for the Instructor to accompany the pupil in the Aeroplane (which is always fitted with dual control) until the pupil can fly quite satisfactorily without any intervention on the parts of the instructor. This takes on an average. $3\frac{1}{2}$ hours made up in flights of from 20 to 30 minutes each.

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