

AVIATORS FLIGHT
LOG BOOK

NAME WILLIAM H. ENGLE

RANK OR RATE TRANSPORT #3174

BRANCH OF SERVICE _____

William A. Engle

1357-72nd Ave

Phila

Pa.

T 5194

William A. Engle

T 5194

Instructor Rating # 203

Brought Forward 771 Hrs 25 MIN

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
4/17/31	Challenger C2	NC7744	85	INS	William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel William A. Engel
4/18/31	"	"	95	WVIC	
4/18/31	C4	NC638E CONET	35		
4/18/31	EX MONO C2	66K	35		
4/19/31		NC284K	85	PASS	
4/19/31		NC638E CONET	36	PASS	
4/19/31	C2	NC7744	80		
4/19/31	EX MONO	66K	60	INS	
4/20/31	C4	NC638E CONET	75	C.C.	
4/24/31	C2	NC7744	70	C	
4/25/31	Challenger C4	NC638E	55	C.C.	
4/24/31	C2	NC7744	65	INS	
4/26/31	C2	NC7744	95	"	
4/30/31	C2	NC7744	115	"	
4/30/31	C4	NC638E	40	PAS	
5/1/31	C2	NC7744	130	INS	
5/3/31	C2	NC7744	95	"	
5/3/31	C2	NC284K	85	PAS	
5/3/31	EX MONO	66K	45	INS	
5/8/31	Challenger C2	NC7744	45	PAS	

Total time to date, 795 HRS. 10 MIN

PASSENGERS	REMARKS
	Instruction for three students
	Check 2 students 4 solo Hops
	check Byrnes + 1 " "
	Instruction for Anderson
	9 Passenger Hops
	4 Passenger Hops
	Logic for 3 students 2 solo Hops
	Instruction for Anderson
	C.C. to Central + Pet. Rhines 2 solo
	Checks Out NRK + CWC for L.C.
	C.C. to Pitcairn Pet. + 2 solo Hops
	Instruction + 1 Pas. Hop
	Logic - 1 solo Hop.
	Ins. 3 students 1 solo Hop
	Four Passenger Hops
	Four students instruction
	Two " " 1 solo Hop
	Log pas six paid 2 solo Hop
	Instruction for Anderson
	one pas. 1 solo Hop

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
5/9/31	Challenger C2	NC 7744	MIN 145	Misc INS	WAE
5/9/31	C2	284K	45	MISC	WAE
5/10/31	C2	NC 7744	165	MISC	WAE
5/10/31	C2	NC 284K	110	"	WAE
5/17/31	C2	NC 7744	5	"	WAE
5/17/31	C2	284K	135		WAE
5/17/31	EX MONO	66K	90	INS	WAE
5/17/31	Challenger C4	NC 633E	80	CC	WAE
5/18/31	"	"	65	CC	WAE
5/22/31	"	"	40	MISC	WAE
5/22/31	EX MONO	66K	100	INS	WAE
5/23/31	Challenger C2	NC 7744	30	MISC	WAE
5/24/31	C2	NC 7744	85	"	WAE
5/24/31	C4	633E	35	PAJ	WAE
5/24/31	EX MONO	66K	40	INS	WAE
5/24/31	C2	NC 284K	80	MISC	WAE
5/26/31	"	NC 7744	90	"	WAE
5/26/31	MONO	66K	85		WAE
5/25/31	Challenger C4	NC 633E	75	CC	WAE
5/27/31	C4	"	110		WAE
Total time to date,			822 HRS - 20 min.		

PASSENGERS	REMARKS
	Instruction Cary parachute jumper 300ft 1 solo
	Rip pas. 2 solo Hop 2
	Ins. 4 students 2 pas. Hop Cloudy
	Eight pas. Hop 2 solo Hop 1
	One Hop
	10 pas. 4 Free 1 solo Hop
	Instruction for Anderson
	CC to Easton & Phillipsburg 2 pas
	CC to Gwynedd Val. ret. to Piteavins ^{same home}
	4 Hops 1 pas.
	Ins. for Anderson
	2 pas. Strong W wind CC Bristol ret.
	4 paid 1 Free pas. 1 solo Hop
	5 pas. 1 Free
	Ins. Anderson
	4 paid 6 free pas. 1 solo
	4 " " " " " "
	Ins. for Anderson
	CC to Piteavins Amblee Dyllston ^{& return} 2 pas
	Ins. for Pyram Check out Kellogg
	CC to Landale & ret. 2 pas Hops

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot	
5/25/31	Challenger C2	NC 7744	MIN 35		W.A. Engh	
5/29/31	"	"	65	MISC	W.A. Engh	
5/29/31	EX MONO		30	INS	W.A. Engh	
5/30/31	C2	NC 7744	140	MISC	W.A. Engh	
5/30/31	Challenger C4	633E	55	"	W.A. Engh	
5/30/31	C2	NC 284K	135	"	W.A. Engh	
5/31/31	C2	NC 7744	35	"	W.A. Engh	
5/31/31	C2	NC 284K	65	"	W.A. Engh	
5/31/31	C4	NC 633E	175	"	W.A. Engh	
6/1/31	"	"	80	C.C.	W.A. Engh	
6/3/31	"	"	70	DUAL	W.A. Engh	
6/3/31	Challenger C2	NC 7744	65	INS	W.A. Engh	
6/4/31	"	"	95	"	W.A. Engh	
6/6/31	"	"	140	"	W.A. Engh	
6/7/31	"	"	40	MISC	W.A. Engh	
6/7/31	Challenger C4	NC 633E	55		W.A. Engh	
6/8/31	C2	NC 284K	75	"	W.A. Engh	
6/11/31	"	NC 7744	35	"	W.A. Engh	
6/12/31	"	"	20		W.A. Engh	
6/12/31	"	NC 284K	60	TEST HOP	W.A. Engh	
Total time to date,			846	Mins.	55	min W.A.

PASSENGERS	REMARKS
	Three solo Hops
	CC Bristol Trenton Yardly 2 pas Hops
	Instruction for Anderson
	" " 3 stud 2 pas 1 Free 1 solo
	6 Pas. Four paid 2 Free 1 solo Hop
	16 paid 3 Free pas 2 solo Hops
	2 " 1 " " 1 " "
	3 " 1 " " " "
	CC Lanesdale net 4 paid pas 2 Free. 30 Byram
	CC Wynedd Val net via Mueen to Langhorne
	5 Landings for Byram
	2 students Instructions
	2 " " 2 pas. 1 solo Hop
	4 " " "
	2 solo Hops 1 pas
	6 Pas Hops
	Instruction 3 pas. 1 solo check
	1 check/Hop 1 pas CC Trenton + return
	2 solo Hops
	Test out after Complete Overhaul

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
6/10/31	Chilton C 2	7744	MIN 115	MISC	W.H. Engler
6/13/31	C 2	284K	45	CC	
6/13/31	EX MONO	66K	75	INS	W.H. Engler
6/14/31	C 2	7744	175	MISC	
6/14/31	"	284K	95	CC	W.H. Engler
6/17/31	"	"	75	CC	
6/18/31	"	"	50	CC	W.H. Engler
6/19/31	"	7744	75	MISC	
6/20/31	"	"	70	"	W.H. Engler
6/21/31	"	"	75	"	
6/21/31	Chilton C 4	633E	110	CC	W.H. Engler
6/21/31	C 2	284K	115	CC	
6/21/31	"	"	75	PAS	W.H. Engler
6/24/31	"	7744	35	"	
6/27/31	"	284K	45	INS	W.H. Engler
6/28/31	"	"	50	MISC	
6/28/31	"	7744	95	"	W.H. Engler
6/29/31	Chilton C 4	633E	25	TEST	
6/30/31	"	"	15	C	W.H. Engler
7/2/31	C 2	7744	85	MISC	
Total time to date,			870 Hrs.	15 min.	

PASSENGERS	REMARKS
	1 check flap. Ins. for 3 students
	CC To Lyomed Val. + return
	Instruction for Anderson
	8 paid 6 Free. Carry Pas. ^{Instruction 1 student} jumper 1500 FT
	3 " 2 " CC Donneton + ret 1 passenger
	CC To Teterboro Valley Stream Newark
	Return from Newark to Langhorne
	1 solo + Instructions 2 students
	Instruction 2 students 1 Pas Hop
	CC Media ret to Lang. + Carry Pas. jumper
	5 Pas. CC Media forced landing ret to Lang.
	CC From Media + 1 solo
	1 solo 4 Free pas. Pyramid's Friends
	4 Free pas 31 Hops
	1 check flap Instruction
	3 Free pas, 1 solo flap
	2 students Ins. CC Bordentown + return
	Test out after New Valves in No. 5 cyl.
	" " " Value adjustment
	Instruction + 2 pas. Hofer

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
7/3/31	EX MONO	66K	MIN 80	INS	WPE
7/4/31	Challenge C2	NC 7744	35	MISC	WPE
7/5/31	"	"	50	INS	WPE
7/4/31	Challenge C4	NC 633E	25	PAS	WPE
7/6/31	"	"	20	"	WPE
7/5/31	EX MONO	66K	70	MISC	WPE
7/6/31	C4	NC 633E	15	PAS	WPE
7/8/31	"	"	25	"	WPE
7/8/31	Challenge C2	NC 284K	45	MISC	WPE
7/11/31	C4	NC 633E	90	CC	WPE
7/12/31	"	"	95	CC	WPE
7/13/31	Challenge C2	NC 7744	50	MISC	WPE
7/15/31	"	"	90	"	WPE
7/15/31	C2	NC 284K	75	PAS	WPE
7/16/31	EX MONO	66K	25	INS	WPE
7/16/31	C2	NC 7744	55	"	WPE
7/17/31	"	"	35	MISC	WPE
7/17/31	EX MONO	66K	25	INS	WPE
7/12/31	C2	NC 554E	150	"	WPE
7/15/31	NC 7744	C2	20	"	WPE

Total time to date, 888 hrs. 10 min

PASSENGERS	REMARKS
	Instructions for Anderson
	2 solo Hops 1 pas Hop
	Instructions + 1 solo Hop
	4 pas. 2 Hops
	2 " Hops. 3 pas.
	Instructions for Anderson
	1 Passenger Hop.
	2 " "
	Instruction + 1 Free Hop
	2 Pas CC Blakelee
	CC Blakelee to Lang 4 pas Hops
	Misc + 1 solo Hop Aerobatics
	Instruction 2 stud. 1 check Hop.
	2 Free pas. for Hansen
	Instruction for Anderson 2 Hops
	1 check Hop. Ins. for Larrimore
	2 pas Hops. 2 solo Hops
	Instruction Anderson 3 Hops
	Instructions for Gloster Bros.
	1 solo Hop 4500 Ft

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
7/19/31	Challenger C2	NC 7744	MIN 115	INS	W.A. Engle
7/19/31	Challenger C4	NC 633E	75	MISC	W.A. Engle
7/19/31	Challenger C2	NC 554E	150	INS	W.A. Engle
7/21/31	C2	NC 7744	90	"	W.A. Engle
7/22/31	"	"	105	"	W.A. Engle
7/24/31	Challenger C4	NC 633E	30	"	W.A. Engle
7/23/31	"	"	25	"	W.A. Engle
7/24/31	"	"	45	"	W.A. Engle
7/25/31	Challenger C2	NC 7744	165	MISC	W.A. Engle
7/26/31	"	"	110	"	W.A. Engle
7/26/31	Challenger C4	NC 633E	35	"	W.A. Engle
7/26/31	C2	NC 554E	170	INS	W.A. Engle
7/27/31	"	NC 7744	85	PA3	W.A. Engle
7/28/31	"	"	40	MISC	W.A. Engle
7/30/31	Challenger C2	NC 554E	165	INS	W.A. Engle
7/31/31	C2	NC 7744	90	MISC	W.A. Engle
8/1/31	"	"	70	"	W.A. Engle
8/2/31	"	"	175	"	W.A. Engle
8/2/31	Challenger C2	NC 284K	30	"	W.A. Engle
8/2/31	"	NC 554E	160	INS	W.A. Engle
Total time to date,			920	Aro.	15 min

PASSENGERS	REMARKS
	3 students Ins.
	3 passengers 2 spins + Loops Co. Bryan
	Instructions for Glaston Bros
	" for 3 students
	1 check Hop Ins 2 stud. Dual for Bryan
	Gellogg - Instructions
	" " " "
	Instructions for Bryan + 1 solo Hop.
	3 students Ins CC pit + ret. 1 check
	Ins. 2 paid 2 free pas. 1 solo Hop.
	Dual with Gellogg
	Instructions for Glaston
	7 Hops 3 Paid 3 Free pas
	1 Paid pas 1 solo airwork
	Instructions Glaston Bros
	" for 3 stud. 3 paid pas
	" " 2 " "
	" " 4 " 2 pas Hops
	1 solo + 1 paid pas Hop
	Instructions for Glaston Bros

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
8/2/31	churn C4	NC 633E	MIN 70	MISC	WAZ
8/3/31	"	"	85	"	WAZ
8/4/31	churn C2	NC 7744	105	"	WAZ
8/5/31	"	"	115	"	WAZ
8/5/31	"	NC 654E	160	INS	WAZ
8/6/31	"	NC 7744	75	MISC	WAZ
8/6/31	churn C4	NC 633E	25	CC	WAZ
8/7/31	C2	NC 7744	65	MISC	WAZ
8/8/31	"	"	125	"	WAZ
8/8/31	"	NC 554E	230	INS	WAZ
8/9/31	"	NC 7744	45	"	WAZ
8/9/31	churn C4	NC 633E	40	MISC	WAZ
8/9/31	churn C2	NC 554E	50	INS	WAZ
8/13/31	"	NC 7744	110	"	WAZ
8/14/31	"	"	75	"	WAZ
8/15/31	"	"	115	"	WAZ
8/15/31	churn C4	NC 633E	35	PAS	WAZ
8/15/31	churn C2	NC 284K	105	INS	WAZ
8/16/31	"	NC 7744	205	INS.	WAZ
8/16/31	churn C4	NC 633E	70	CC	WAZ
Total time to date,			952 Hrs. 5 min.		

PASSENGERS	REMARKS
	2 Pas. Hops Carry (par jumper) 1600 Ft
	Airbook Deal with Kellogg.
	Instructions 2 students airbook.
	" " CC Pitecum + ret. 2 solo Hops
	" " for Gloster's
	" 2 students 1 solo Hop.
	1 CC Local Hop
	Inst. 1 pas. Hop. 1 solo Hop.
	" CC Pitecum ret. 1 pas "
	" for Gloster's
	" + 1 check Hop.
	1 pas. Hop Carry (par jumper) 1500 Ft
	Inst. for Gloster's
	" " 3 stud 1 check Hop
	" " 2 " 2 pas-Hops
	" " 2 "
	2 paid pas 1 check Hop.
	Inst. for Mrs Larrimore 1 check
	" " 4 stud - 4 paid 2 free 1 solo
	CC Geynes Val 2 pas 1 free

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
8/16/31	^{Chatham} C2	NC 284K	MIN 195	PAS	WAE
8/16/31	"	NC 554E	170	INS	WAE
8/16/31	"	"	30	"	WAE
8/17/31	^{Chatham} C2	NC 7744	110	"	WAE
8/18/31	"	"	55	"	WAE
8/18/31	"	NC 284K	95	MISC	WAE
8/19/31	"	NC 7744	115	"	WAE
8/20/31	"	"	135	"	WAE
8/20/31	^{Chatham} C4	633E	15	CC	WAE
8/20/31	C2	NC 554E	40	INS	WAE
8/24/31	"	NC 7744	140	TEST	WAE
8/25/31	"	"	45	CC	WAE
8/25/31	"	NC 554E	60	INS	WAE
8/27/31	^{Chatham} C4	NC 633E	140	CC	WAE
8/28/31	"	"	15	CC	WAE
8/28/31	^{Chatham} C2	NC 7744	115	INS	WAE
8/28/31	"	554E	55	"	WAE
8/30/31	"	7744	160	ins	WAE
8/30/31	"	284K	115	ins	WAE
8/31/31	"	7744	175	ins	WAE & Engle
Total time to date,			985	Hrs.	05 min

PASSENGERS	REMARKS
11 paid pas 2 Free	
	Instructions O'Donnell + Glosters
"	Jack "
"	2 stud. 1 check Hop
"	+ 1 check Hop
1 paid 1 Free pas + 1 check Hop.	
	Instructions 2 stud. 1 paid Hop.
"	4 " CC Piteavon + return
	CC Piteavon to Langborne
	Instructions O'Donnell + Glosters
	Get out after Complete Overhaul
	CC Piteavon 1 Pas Hop.
	Instruction Glosters
	2 pas hops CC Reading, Piteavon return
	CC From Piteavon to Lang.
	3 stud CC Piteavon + return
	Instructions O'Donnell
"	3 stud. 4 pas Hops
2 paid pas - Instructions 1 check	
4 stud. Inst. CC Piteavon + ret	
	1 pas Hop.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
8/31/31	^{Challenger} C4	NC 633E	MIN 70	PAS	WBE
9/3/31	C2	NC 7744	75	CC	WBE
9/1/31	"	554E	60	INS	WBE
9/3/31	"	"	60	"	WBE
9/4/31	"	7744	50	"	WBE
9/6/31	"	"	145	"	WBE
9/5/31	"	554E	70	"	WBE
9/6/31	"	7744	135	"	WBE
9/6/31	"	284K	150	PAS	WBE
9/7/31	"	7744	185	CC	WBE
9/7/31	"	284K	70	"	WBE
9/8/31	^{Challenger} C4	633E	40	CC	WBE
9/8/31	^{Challenger} C2	554E	60	INS	WBE
9/9/31	"	7744	150	"	WBE
9/10/31	"	"	95	"	WBE
9/10/31	"	554E	50	"	WBE
9/10/31	"	7744	85	"	WBE
9/11/31	^{Challenger} C4	633E	55	CC	WBE
9/13/31	"	"	50	"	WBE
9/13/31	^{Challenger} C2	7744	165	INS	WBE Single
Total time to date,			1015	WBS.	25 min

PASSENGERS	REMARKS
	5 paid free Carry jumper 1500 Ft
	CC Peterson & Instructions
	Instructions O'Donnell
	" "
	" 1 student 1 pas Hop.
	" 3 " 2 " 3 "
	" O'Donnell
	" 3 stud. 2 pas Hops
	17 Paid pas 3 Free 1 check / 1 job
	Instructions 4 stud 2 hang 2 Pit 1 check
	1 check Hop 1 pas CC Peterson & return
	CC Peterson ret. 1 pas Hop.
	Instructions to O'Donnell
	" 3 students 1 pas Hop.
	CC Peterson Ins. two students
	Instructions O'Donnell
	" 2 stud. 1 pas Hop.
	Acrobatics Mexican Club at Lang.
	CC Peterson 3 Pas Hops
	Instructions 5 students

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
9/3/31	^{Chilton} CZ	284K	MIN 95	CC	WAZ
9/3/31	"	554E	35	INS	WAZ
9/3/31	"	"	65	"	WAZ
9/5/31	"	7744	155	CC	WAZ
9/5/31	"	554E	130	INS	WAZ
9/5/31	"	"	45	"	WAZ
9/6/31	"	7744	140	"	WAZ
9/7/31	"	"	105	"	WAZ
9/7/31	"	554E	60	"	WAZ
9/7/31	"	7744	40	"	WAZ
9/8/31	"	"	35	"	WAZ
9/9/31	"	"	75	"	WAZ
9/20/31	"	"	155	"	WAZ
9/20/31	^{Jullien} CH	683E	35	PAS	WAZ
9/20/31	CZ	554E	135	INS	WAZ
9/22/31	"	7744	40	"	WAZ
9/23/31	"	"	55	"	WAZ
9/24/31	"	554E	25	"	WAZ
9/24/31	EX MONO	66K	75	TEST	WAZ
9/25/31	^{Chilton} " " "	"	70	INS	WAZ single
Total time to date,			1041	WAZ.	55 min

PASSENGERS	REMARKS
3 paid pas -	CC Beynard del return
	Instructions O'Donnell
	" G. Foster
	CC Petreavin Inst. 2 stud ret. 1 pas.
	Instructions G. Foster
	" O'Donnell
	" 3 students
	CC Petreavin Inst. 2 students
	Instructions O'Donnell
	Instruction G. Foster
	CC Petreavin Inst. 1 student
	1 check ins 2 students
	Ins. 3 students 2 pas Hope
	(No jumper) 500 2 free pas.
	Ins. G. Foster
	CC Petreavin 1 pas Hop.
	Ins. 1 stud. 1 " "
	" O'Donnell
	Dest Hop. O. J.
	Instructions M. Anderson

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
9/27/31	EX MONO challenge	66K	MIN 40	INS	WAZ
9/27/31	C2	554E	125	"	WAZ
9/27/31	"	"	30	"	WAZ
9/27/31	"	7744	295	"	WAZ
9/27/31	challenge C4	633E	70	"	WAZ
9/27/31	C2	284K	15	"	WAZ
9/28/31	"	534E	40	"	WAZ
10/1/31	C4	633E	35	CC	WAZ
10/4/31	EX MONO challenge	66K	45	INS	WAZ
10/1/31	C2	554E	40	"	WAZ
10/4/31	C4	633E			NRK
10/2/31	C2	554E	25	TNS	WAZ
10/2/31	"	7744	55	"	WAZ
10/3/31	"	"	110	"	WAZ
10/3/31	"	534E	45	"	WAZ
10/4/31	"	"	45	"	WAZ
10/4/31	challenge C2	7744	225	"	WAZ
10/4/31	C4	633E	35	PAS	WAZ
10/4/31	EX MONO	66K	45	INS	WAZ
10/10/31	C2	7744	185	"	WAZ Engle
Total time to date,			1067	HYS.	

PASSENGERS	REMARKS
	5 Hops Ins. W. Anderson
	Ins. Glosters
	Spins. Stella F. Funding O'Donnell
	5 students 21 Paid, Gas 2 Free Gas
	10 Paid Gas 2 Free, jump w.
	check Hop. Engine P.R.
	Inst. O'Donnell
	CC Petcavin ret. 1 Free gas
	Ins. W. Anderson
	" O'Donnell
	First Parachute jump 1600 FT
	Instructions O'Donnell
	"
	CC Git. Ins. 2 students
	Ins. O'Donnell
	25 May Instructions
	Ins. 2 students
	2 pas. Hop 1 Free Hop
	Inst. W. Anderson
	" 4 students 1 Free 2 Paid Gas

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
10/11/31	Challenge CZ	7744	75	INS	WAZ
10/11/31	"	284K	50	"	WAZ
10/12/31	EX MONO	66K	45	"	WAZ
10/12/31	"	"	50	"	WAZ
10/12/31	Challenge CZ	7744	120	"	WAZ
10/11/31	C4	633E	70	"	WAZ
10/15/31	CZ	7744	135	"	WAZ
10/17/31	"	"	75	"	WAZ
10/18/31	"	"	90	"	WAZ
10/18/31	EX MONO	66K	40	"	WAZ
10/18/31	Challenge CZ	7744	20	"	WAZ
10/22/31	"	"	50	"	WAZ
10/23/31	"	"	55	"	WAZ
10/24/31	"	"	165	"	WAZ
10/25/31	"	"	175	"	WAZ
10/25/31	C4	633E	20	"	WAZ
10/25/31	CZ	284K	35	"	WAZ
10/25/31	EX MONO	66K	50	"	WAZ

State Police Granty of Oleta.
 from H...
 time - 27th day of October 1931

Total time to date, 1088 Hrs 50 min.

PASSENGERS	REMARKS
	Ins. 3 students
	4 pas. 2 free 1 check Hop.
	1 check + Ins. M Anderson
	9 Landings M.
	Ins. 4 students 1 check Hop
	3 Paid. 3 Free pas - 1 acrobatic
	4 students 1 pas. Hop.
	9 Hops. 4 Free 4 Paid pas 1 check
	3 students 2 pas.
	M. Anderson
	2 spins Stalls + Forces. M.A.
	1 stud. 1 pas. Hop.
	1 " 2 " 1 Free 1 Paid
	3 " 1 check 2 Free
	1 " 2 pas CC Boy returns
	2 Hops Dols. Strong NW
	CC Sundton + net 5000 Ft
	7 Hops Ins M Anderson
	Says the foregoing log is correct and
	Perhaps S. Ball WAZ
	Wally Rubin

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
10/27/31	Challenge G2	NC 7744	25	INS	W. E. Engh
10/29/31	Challenge C2	NC 7744	25	INS	W. E. Engh
10/29/31	Challenge C4	NC 633F	35	MISC	W. E. Engh
10/29/31	EX No 70	Warner 66K	25	INS	W. E. Engh
10/31/31	Challenge C2	NC 7744	20	INS	W. E. Engh
11/1/31	Challenge C2	NC 7744	165	INS.	W. E. Engh
11/1/31	Challenge C2	NC 284K	70	MISC.	W. E. Engh
11/1/31	EX No 70	Warner 66K	25	INS	W. E. Engh
11/7/31	Challenge C2	NC 7744	25	P2S.	W. E. Engh
11/8/31	Challenge C2	" "	145	MISC	W. E. Engh
11/8/31	Challenge C4	NC 633E	40	MISC	W. E. Engh
11/8/31	Challenge C2	NC 633E	20	MISC	W. E. Engh
11/8/31	EX No 70	Warner 66K	40	INS	W. E. Engh
11/11/31	Challenge C2	NC 7744	75	MISC	W. E. Engh
11/14/31	Challenge C2	NC 7744	90	INS.	W. E. Engh
11/15/31	Challenge C2	NC 7744	135	MISC.	W. E. Engh
11/15/31	Challenge C2	NC 284K	25	MISC	W. E. Engh
11/15/31	EX No 70	Warner 66K	25	INS	W. E. Engh
11/21/31	Challenge C2	NC 7744	145	INS	W. E. Engh
11/24/31	Challenge C2	NC 7744	170	INS	W. E. Engh
Total time to date,			1110 HRS.	55 MIN.	

PASSENGERS	REMARKS
	Instructions Barnhill
	Instructions Kozym
	5 solo hrs 7 laps
	Instructions for Anderson
	Instructions
	Instructions for (5) Students
	3 Point 2 free & 3 solo hrs
	Instructions for Anderson
	2 Passes hrs
	Inst for Stud & 1 Pass hrs
	4 free 1 Point Pass hrs
	1 Check hrs
	Inst for Anderson
	Inst & solo
	Inst for 3 Stud.
	Inst for 2 hrs
	Inst & 2 hrs
	Instructions for Anderson
	5 Stud & 4 Pass hrs
	7 Student Ins 1 Pass hrs

Date	Type of Machine	Number of Machine	Duration of Flight <i>minutes</i>	Character of Flight	Pilot
11/22/31	Challenge Cyc Comet	NC 633E	35	MISC	W.A. Ely
11/26/31	Challenge C2 OX	NC 7744	35	MISC	W.A. Ely
11/26/31	Challenge Comet C4	NC 633E	35	MISC	W.A. Ely
12/6/31	Challenge OX C2	NC 7744	110	MISC	W.A. Ely
12/6/31	Challenge Comet C4	NC 633E	40	MISC	W.A. Ely
12/7/31	Challenge OX C2	NC 7744	30	CC	W.A. Ely
12/8/31	Challenge OX C2	NC 7744	20	CC	W.A. Ely
12/8/31	Challenge Comet C4	NC 633E	135	CC	W.A. Ely
12/12/31	Challenge OX C2	NC 7744	75	MISC	W.A. Ely
12/13/31	Challenge OX C2	NC 7744	75	MISC	W.A. Ely
12/19/31	Challenge OX C2	NC 7744	65	MISC	W.A. Ely
12/20/31	Challenge OX C2	NC 7744	45	MISC	W.A. Ely
12/20/31	Challenge Comet C4	NC 633E	20	MISC	W.A. Ely
12/25/31	Challenge OX C2	NC 284K	50	MISC	W.A. Ely
12/27/31	Challenge OX C2	NC 7744	125	MISC	W.A. Ely
12/27/31	Challenge OX C2	NC 284K	50	MISC	W.A. Ely
1/3/32	Challenge OX C2	NC 7744	155	MISC	W.A. Ely
1/10/32	Challenge OX C2	NC 7744	185	MISC	W.A. Ely
1/16/32	Challenge OX C2	NC 7744	75	MISC	W.A. Ely
1/17/32	Challenge OX C2	NC 7744	105	MISC	W.A. Ely
Total time to date,			1135	HRS	20 MIN.

PASSENGERS	REMARKS
1 Solo hop + 1 Pass hop.	
1 student 1 solo hop	
3 Solo hops.	
Instructor for 5 students	
Solo + 1 Pass. hop	
CC to Central N.D. for Inspection.	
CC for Central Inst.	
CC to Blackale & Return	
Inst for Students 2 Free hops	
Inst for 2 Students 1 Pass hop 1 Chd hop	
Inst for 13 Students 1 solo hop	
2 Pass hop + 4 Solo hops	
1 Misc hop.	
3 Pass hops 1 CC hop to Burlington & return	
Inst. 5 students 1 Pass hop	
CC to Borden town & return	
Inst. for 5 students 2 free Pass hops 6 solo hops	
Inst. for 5 students 3 paid Pass hops 1 solo hop	
Check out 2 students 3 Pass hops	
Inst. for 3 students 3 solo hops	

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1/17/32	Challenger Comet C4	n.c. 633E	70	cc	William A. Engel William A. Engel William A. Engel
1/24/32	Challenger Comet C4	n.c. 633E	35	Misc.	
1/24/32	Challenger OXC2	n.c. 7744	95	Misc.	
2/6/32	Challenger OXC2	n.c. 7744	75	Misc.	
2/7/32	Challenger OXC2	n.c. 7744	65	Misc.	
2/7/32	Challenger Comet C4	n.c. 633E	40	Misc.	
2/12/32	Challenger Comet C4	n.c. 633E	20	Misc.	
2/14/32	Challenger Comet C4	n.c. 633E	75	cc	
2/14/32	Challenger OXC2	n.c. 7744	50	Misc.	
2/21/32	Challenger OXC2	n.c. 7744	80	Misc.	
2/21/32	Challenger Comet C4	n.c. 633E	15	Misc.	
2/22/32	Challenger OXC2	n.c. 7744	155	cc	
2/27/32	Challenger OXC2	n.c. 7744	35	Misc.	
2/28/32	Challenger OXC2	n.c. 7744	85	Misc.	
3/5/32	Challenger OXC2	n.c. 7744	35	Misc.	
3/12/32	Challenger OXC2	n.c. 7744	65	Misc.	
3/13/32	Challenger OXC2	n.c. 7744	75	Misc.	
3/19/32	Challenger OXC2	n.c. 7744	55	Misc.	
3/20/32	Challenger OXC2	n.c. 7744	50	Misc.	
3/20/32	Challenger OXC2	n.c. 884K	15	Misc.	
Total time to date,			1155	HYS	10 M 17

PASSENGERS	REMARKS
	CC to Bordentown return 2 paid Pass hops
	1 free Pass hop 2 solo hops
	Inst. 3 students 1 Pass hop to 6 craft.
	Inst. 2 students Check out 1 student
	Inst. for 1 student 1 demonstrative hop
	2 Pass hops 4 solo hops
	2 Paid Pass. 1 free hop 1 solo hop
	CC to Allentown airport & return
	Inst. 2 students
	Inst. 4 students 2 free Pass.
	2 solo hops
	CC to Kelley Stream Airport & return dual N.R.K.
	Check out 2 students 2 free Pass.
	Inst. 3 students 1 solo hop
	Inst 1 student 1 free Pass hop
	Inst 2 students 1 solo hop
	CC to Central N.J & return 1 check hop
	Inst. 2 students
	Inst. 2 students
	1 Pass hop.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932	Challenger Comit C4	7.C. 633E	25	Misc.	William A. Engle
3/20/32	Challenger Comit C4	7.C. 633E	40	CC	
3/27/32	Challenger Comit C4	7C 633E	45	Misc.	
3/27/32	Challenge Comit OXC2	7C 7744	90	Misc.	
4/2/32	Challenge Comit OXC2	7C 7744	125	Misc.	
4/3/32	Challenge Comit OXC2	7C 7744	95	Misc.	
4/3/32	Challenge Comit C4	7C 633E	110	Misc.	
4/6/32	Challenge Comit OXC2	7C 7744	70	Misc.	
			1165 HTS	10 MITT.	

State of Oregon County of Polk
 and says the foregoing is correct
 subscribed and sworn to this
 18th day of April 1932
 Autherly S. Davis Notary Public

COM. EXP. JAN. 21, 1933

4/24/32	Comit Challenge	NC 633E	1H.50	Misc.	W.A. Engle
4/24/32	Challenge C20X3	NC 284K	50M.	Misc.	W.A. Engle
4/25/32	Challenge Comit	NC 633E	2.0M	CC	W.A. Engle
4/28/32	OXS Challenge	NC 284K	1H.10M	Misc.	W.A. Engle
4/29/32	Comit Challenge	NC 633E	1H.25M	Misc.	W.A. Engle
4/30/32	OXS Challenge	NC 284K	50M	CC	W.A. Engle
5/1/32	"	"	1H.05M.	Inst.	W.A. Engle

Total time to date, 1172 hrs + 50 min.

PASSENGERS	REMARKS
	Checkup after complete motor overhaul OK
	CC to Mercer & return 2 solo hops
	2 free Pass 2 solo hops
	Inst 2 students 2 solo hops
	Inst. 4 students CC to Pitcairn & return
	Inst. 4 students 1 Check hop
	7 Pass hops 2 solo hops
	1 dual hop 2 solo hops
	Wm A Engle being duly sworn before and true. William A. Engle
	9 Passenger hops & 1 solo hop
	Inst Two Students
	CC to Central airport D.J.
	Instruction 2 Students 1 Passenger hop
	CC from Central to Mercer & Rt to Langhams for 1000 ft
	1 CC hop with Byron, 6000 ft.
	Instruction for (3) Students

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932					
5/5/32	Challenge C2	NC 284X	1H 25M	misc	Wingle
5/6/32	Challenge C2	NC 284K	25M		Wingle
5/7/32	Challenge C2	NC 284K	1H 5M		Wingle
5/8/32	Challenge Coast	NC 633E	55M		Wingle
5/14/32	Challenge Coast	NC 633E	50M	CC	Wingle
5/14/32	Challenge	NC 284K	1H 45M	misc	Wingle
5/15/32	Challenge	NC 284K	50	Ins.	Wingle
5/15/32	Challenge	NC 633E	1H 35M	misc.	Wingle
5/16/32	Challenge	NC 633E	20M	CC	Wingle
5/16/32	Challenge	NC 284K	30M	Inst.	Wingle
5/18	Challenge	NC 284K	35M	CC	Wingle
5/19	Challenge	NC 284K	50M	CC	Wingle
5/22	Challenge	NC 284K	60M	Inst.	Wingle
5/22	Challenge	NC 633E	1H 15M	misc	Wingle
5/26	Challenge	NC 284K	35M	misc	Wingle
5/28	Challenge	NC 284K	26M	misc	Wingle
5/29	Challenge	NC 284K	45M	misc	Wingle
5/29	Challenge	NC 633E	25M	Local	Wingle
6/5	Challenge	NC 284K	35M	misc	Wingle
6/10	Challenge	NC 633E	1H 20M	CC	Wingle
Total time to date,			1190	hrs. 15 min	

PASSENGERS	REMARKS
	2 Passengers (hope inst two students)
	1 Passenger (hope)
	Inst two students two passengers
	(8) Passengers
	CC Atlantic City (1) passenger
	Inst for 2 students 1 CC hop + 5201 ft ft 1 Pass
	Instruction for (2) students
	CC from Atlantic City to Langhorne (carry 8 Pass)
	CC to Somerton Airport for Inst + Inst.
	Instruction for (1) student + Pass.
	CC to Muncy Airport + 1 Pass hop.
	CC hop for Bryan Muncy Langhorne + Muncy
	Instruction for (2) students
	9 Paid Passes hops + 2 Free.
	Instruction 1 student 2 Passengers hops.
	Check two students + 1 Pass hop.
	CC to Muncy Airport - Inst + carry 2 Pass.
	3 Passengers hops.
	Instruction 1 student + (1) Pass. hop.
	1 CC hop to Turdake Muncy + Inst for Bryan

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932	Comet	NC			
6/12/32	Challenge	633E	20M	Local	WtEngle
6/19/32	Comet	NC			
6/19/32	Challenge	633E	1H.05M	Misc	WtEngle
6/19/32	Ox	NC			
6/19/32	Challenge	284K	1H.20M	Misc	WtEngle
6/19/32	Comet	NC			
6/19/32	Challenge	633E	15M	Local	WtEngle
6/24	Comet	NC			
6/24	Challenge	633E	25M	CC	WtEngle
6/25	Ox	NC			
6/25	Challenge	284K	1H.10M	CC	WtEngle
6/26	Ox	NC			
6/26	Challenge	284K	1H 15M	CC	WtEngle
6/29	Comet	NC			
6/29	Challenge	633E	30M	CC	WtEngle
7/2	Ox	NC			
7/2	Challenge	284K	40M	Misc	WtEngle
7/3	Ox	NC			
7/3	Challenge	284K	45M	Misc	WtEngle
7/3	Comet	NC			
7/3	Challenge	633E	40M	Misc	WtEngle
7/4	Ox	NC			
7/4	Challenge	284K	45M	Misc	WtEngle
7/9	Comet	NC			
7/9	Challenge	633E	25M	Test	WtEngle
7/10	Comet	NC			
7/10	Challenge	633E	3H 10M	Misc	WtEngle
7/10	Ox	NC			
7/10	Challenge	284K	50M	Inst.	WtEngle
7/13	Comet	NC			
7/13	Challenge	633E	35M	Misc	WtEngle
7/14	Comet	NC			
7/14	Challenge	633E	56M	CC	WtEngle
7/15	Ox	NC			
7/15	Challenge	284K	15M	Inst.	WtEngle
7/16	Comet	NC			
7/16	Challenge	633E	30M	Perso	WtEngle
7/17	Comet	NC			
7/17	Challenge	633E	45M	Misc	WtEngle

Total time to date,

1206 hrs. + 50 min

PASSENGERS	REMARKS
	cc to Bristol 1 Passenger Lp.
	1 solo Lp & 6 Passenger Lp.
	Instruction for 2 students & cc Lp to Bristol
	1 solo Lp
	cc to Pitcairn Field & Ret to Langhorne
	cc to Atlantic City from Langhorne
	cc from Atlantic City to Langhorne
	cc to Pitcairn Field & Ret to Lang
	cc to Muncie airport for Sign Race. 1 Race.
	Instruction for 1 student McKenna 1 Pass Lp
	2 Passengers & Carry Parachute jumper
	cc to Muncie & Ret Carry Parachute jumper
	Test out near Comet motor U.S.
	Test out motor for 2 hrs & carry 14 Pass & Parachute ^{jump}
	Instruction for 2 student Dunlop & McKenna
	cc to Pitcairn Field & Ret 1 solo Lp
	cc to Muncie airport & Ret to Langhorne 3 solo Lp
	Check out (2) Students
	4 Passenger Lp.
	2 Pass Lp & 1 check Lp

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932					
7/17/32	OX Challenge	NC 284K	40M	Inst	Wt Engh
7/18	OX Challenge	NC 284K	25M	Solo	Wt Engh
7/19	Cornet Challenge	NC 633E	35M	Misc	Wt Engh
7/22	OX Challenge	NR 284K	35M	Inst	Wt Engh
7/24	OX Challenge	NR 284K	20M	Inst	Wt Engh
7/28	OX Challenge	NC 284K	15M	Inst	Wt Engh
7/28	Cornet Challenge	NC 633E	25M	CC	Wt Engh
7/29	Cornet Challenge	NC 633E	45M	Misc	Wt Engh
7/31	OX Challenge	NC 284K	1H 5M	Misc	Wt Engh
7/31	OX Challenge	NC 284K	55M	Inst.	Wt Engh
8/1	OX Challenge	NC 284K	40M	Inst.	Wt Engh
8/1	Cornet Challenge	NC 633E	40M	Misc	Wt Engh
8/11	OX Challenge	NC 284K	30M	Solo	Wt Engh
8/12	Cornet Challenge	NC 633E	2H 10M	Misc	Wt Engh
8/13	Cornet Challenge	NC 633E	25M	Misc	Wt Engh
8/14	Cornet Challenge	NC 633E	1H 35M	Misc	Wt Engh
8/14	OX Challenge	NR 284K	45M	Misc	Wt Engh
8/29	OX Challenge	NC 284K	5H 15M	CC	Wt Engh
8/30	OX Challenge	NR 284K	4H 50M	CC	Wt Engh
8/31	OX Challenge	NC 284K	1H 35M	Inst	Wt Engh
Total time to date,			1229 Hrs.	15 min.	

PASSENGERS	REMARKS
	Instruction for Dunlap.
	3 Solo hops.
	2 Passenge hops.
	Instruction for (1) Student; 1 solo hop.
	Instruction for Mc Kennan.
	Inst. for Dunlap
	CC Pitcairn & return to Laughton
	Inst. for Thompson (1) Pass. hop (1) solo
	ck (1) student (2) Pass. hops carry para. jumper
	Inst. (3) students
	Inst. (2) students
	(3) Pass. hops carry para. jumper
	(2) Solo hops
	CC Pitcairn ret. 2 Pass. hops 1 ck hop
	(2) Pass. hops (1) solo
	(5) Pass. hops (1) ck hop
	(4) Pass. hops Inst. for Mc Kennan
	CC to Daytonville Ohio
	CC from Daytonville Ohio to Laughton
	Inst (3) students

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932					
9/4/32	OT Challenge	NC 284K	50M	Pass.	Wt Single
9/5/32	OT Challenge	NC 284K	25M	Instr.	Wt Single
9/10/32	OT Challenge	NC 284K	45M	Misc	Wt Single
9/11/32	OT Challenge	NC 284K	1H 25M	Misc	Wt Single
9/12/32	OT Challenge	NC 284K	55M	CC	Wt Single
9/17/32	OT Challenge	NC 284K	20M	Solo	Wt Single
9/18/32	OT Challenge	NC 284K	2H 25M	Misc	Wt Single
9/23/32	Comet Challenge	NC 633E	1H 35M	Test	Wt Single
9/24/32	OT Challenge	NC 284K	15M	Instr	Wt Single
9/24/32	Comet Challenge	NC 633E	1H 40M	Misc	Wt Single
9/25/32	OT Challenge	NC 284K	45M	Misc	Wt Single
9/29/32	Comet Challenge	NC 633E	1H 5M	Misc	Wt Single
10/1/32	OT Challenge	NC 284K	25M	Misc	Wt Single
10/1/32	Comet Challenge	NC 633E	35M	Misc	Wt Single
10/2/32	Comet Challenge	NC 633E	1H 55M	Misc	Wt Single
10/2/32	OT Challenge	NC 284K	1H 25M	Misc	Wt Single
10/4/32	OT Challenge	NC 284K	25M	Misc	Wt Single
10/9/32	Comet Challenge	NC 633E	1H 15M	Misc	Wt Single
10/12/32	Comet Challenge	NC 633E	1H 10M	Misc	Wt Single
10/14/32	Comet Challenge	NC 633E	40M	Solo	Wt Single
Total time to date,			1262	Hrs. 55 min.	

PASSENGERS	REMARKS
	(4) Pass. hops
	Instr. for Dualaps
	CC Otismin & ret. Instr. for (1) student
	(2) Pass. hops Instr. (1) student
	CC Central Otismin & ret. to Langhorne
	(3) Solo hops
	(6) Pass. hops Instr (3) students
	Test out ship after repairs by Corally of
	Instr (1) student
	(3) Pass hops CC Central + Misc & ret.
	Instr (1) student (1) Pass hop
	(1) CK (6) Pass. hops
	(2) Pass. hops
	(1) CK (1) Pass hop.
	CC Easton Pa. 1-18 mi race & ret Lang. Pass hop
	Instr (1) student (5) Pass hops.
	Instr for McC Kenner
	(5) Pass. hops carry para. jumper
	CC Navy Yard & ret Langhorne (1) Pass hop
	(3) Solo hops

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932	OT	NC			
10/15/32	Challenge	284K	55M	Misc	Wt Eagle
10/16/32	Challenge	633E	55M	CC	Wt Eagle
10/16/32	Challenge	284K	15M	Instr.	Wt Eagle
10/27/32	Challenge	633E	26M	Misc	Wt Eagle
10/27/32	Challenge	284K	1H 45M	Instr.	Wt Eagle
10/28/32	Challenge	633E	1H 15M	Misc	Wt Eagle

1268 HRS 15 MIN.

State of Pennsylvania, County of Philadelphia.

deposes and says the foregoing
Subscribed and sworn to this

3rd day of November, 1932

Walter J. D. Bates
Notary Public

COM. EXP. JAN. 21, 1933

10/26/32	Challenge	284K	45M	Misc	Wt Eagle
10/30/32	Challenge	284K	35M	Solo	Wt Eagle
10/31/32	Challenge	633E	1H 15M	Misc	Wt Eagle
11/5/32	Challenge	284K	35M	Instr.	Wt Eagle
11/6/32	Challenge	284K	1H 25M	Instr.	Wt Eagle
11/4/32	Challenge	633E	50M	Pass.	Wt Eagle
Total time to date,			1273 HRS.	40 MIN	

1273 hrs. 40M

PASSENGERS	REMARKS
	CC Mercer returns Lang carry para jumper
	CC Mercer returns Lang (1) solo hop
	2 ck hops for Dualap
	CC Mercer ret. to Lang. 1 solo hop.
	Instr (4) students
	CC Red Hill Airport carry para jumper etc Lang.

Wm W Eagle being duly sworn
deposes and says the foregoing

William W. Eagle

CC Mercer ret. to Lang. 2 solo hops
3 solo hops

CC Mercer ret to Lang 3 Pass. hops.
ck out two (2) students

Instr. four (4) students

Freie (5) Pass. hops

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1932					
11/13/32	Comet	NC	45M	Pass.	WtEngle
11/13/32	Challenge	633E	35M	Inst.	WtEngle
11/13/32	Comet	NC	1H 50M	Inst.	WtEngle
11/24/32	Challenge	284K	35M	Misc	WtEngle
11/24/32	Comet	NC	45M	Misc	WtEngle
11/24/32	Challenge	633E	1H 50M	Misc	WtEngle
11/24/32	Comet	NC	35M	Misc	WtEngle
11/24/32	Challenge	633E	30M	Misc	WtEngle
11/24/32	Comet	NC	25M	Inst.	WtEngle
11/24/32	Challenge	284K	35M	Misc	WtEngle
11/24/32	Comet	NC	45M	Misc	WtEngle
11/24/32	Challenge	633E	35M	Misc	WtEngle
11/24/32	Comet	NC	25M	CC	WtEngle
11/24/32	Challenge	633E	25M	CC	WtEngle
11/24/32	Comet	NC	5M	ck	WtEngle
11/24/32	Challenge	284K	45M	Inst.	WtEngle
11/24/32	Comet	NC	35M	Misc	WtEngle
11/24/32	Challenge	633E	35M	Misc	WtEngle
11/24/32	Comet	NC	35M	CC	WtEngle
11/24/32	Challenge	633E	45M	CC	WtEngle
Total time to date,			12 86 HRS.	50 MIN	

PASSENGERS	REMARKS
	Three (3) Free Pass. hops.
	Inst. one (1) student ck one (1) student
	Inst. three (3) students
	Solo (2) Free Pass. hops - one (1) solo hop
	Solo (4) Free Pass. hops CC Bristol West - one (1)
	Inst. three (3) students - two (2) solo hops
	CC Mercurot ret Lang - two (2) solo hops
	CC Mercurot ret Lang - two (2) solo hops
	Inst. out - one (1) hauled motor - OK.
	CC one student (2) solo hops.
	(5) Pass. hops (1) solo hop
	ck (1) student (2) Free Pass. hops
	CC Mercurot ret Lang.
	CC Mercurot ret Lang.
	ck (1) student
	Inst. (1) student
	CC Mercurot ret Lang and solo
	W Pass. and solo
	CC Feeding birds
	CC Lang & New York (2) Pass.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1933					
2/14/33	Comet	NC			
2/14/33	Challenger	633E	45M	CC	Wt Single
2/14/33	OT	NC			
2/14/33	Challenger	284K	1H-55M	Misc	Wt Single
3/1/33	Comet	NC			
3/1/33	Challenger	633E	3H-50M	CC	Wt Single
3/5/33	OT	NC			
3/5/33	Challenger	284K	35M	Misc	Wt Single
3/4/33	OT	NC			
3/4/33	Challenger	284K	30M	Misc	Wt Single
3/11/33	OT	NC			
3/11/33	Challenger	284K	35M	Misc	Wt Single
3/12/33	OT	NC			
3/12/33	Challenger	284K	1H-35M	Misc	Wt Single
3/25/33	OT	NC			
3/25/33	Challenger	284K	40M	Misc	Wt Single
3/28/33	OT	NC			
3/28/33	Challenger	284K	35M	Solo	Wt Single
4/1/33	Comet	NC			
4/1/33	Challenger	633E	15M	Pass.	Wt Single
4/2/33	Comet	NC			
4/2/33	Challenger	633E	35M	Pass.	Wt Single
4/7/33	OT	NC			
4/7/33	Challenger	284K	1H-50M	Misc	Wt Single
4/7/33	OT	NC			
4/6/33	Challenger	284K	55M	Misc	Wt Single
4/9/33	OT	NC			
4/9/33	Challenger	284K	10M	ck	Wt Single
4/9/33	Comet	NC			
4/9/33	Challenger	633E	50M	Misc	Wt Single
4/19/33	OT	NC			
4/19/33	Challenger	284K	40M	Misc	Wt Single
4/19/33	OT	NC			
4/14/33	Challenger	284K	20M	Inst.	Wt Single
4/14/33	Comet	NC			
4/14/33	Challenger	633E	2H-10M	CC-Misc	Wt Single
4/15/33	Comet	NC			
4/15/33	Challenger	633E	35M	CC	Wt Single
4/15/33	OT	NC			
4/17/33	Challenger	284K	25M	Inst.	Wt Single
Total time to date,			1306	HRS.	35 MIN

1306

35

4-6341

PASSENGERS	REMARKS
	CC New York to Lang (2) Pass.
	Inst. (2) student to CC Meier at Lang (1) solo
	CC Washington-Hoover Airport 2 Pass.
	CC (1) student (3) Free Pass.
	(1) solo (2) Pass. hope
	CC (1) student (1) dual hop 7000 ft
	Inst. (3) students (1) solo hope
	CC Meier's at Lang dual with Ingram ^{success}
	1 solo hop 8500 ft.
	(2) Pass. hope
	(2) Paid Pass (2) Free Pass.
	Inst. (3) students (6) Pass. hope
	Inst. (1) student Pass (1) solo hop
	CC (1) student
	(2) Free Pass. hope (1) solo hop.
	Inst. (1) student (2) solo hope
	Inst. (1) student
	CC Tripp to inst. CC Meier at (4) Free Pass. hope
	CC Lang to Newark 1 Pass.
	Inst. (1) student

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
4/33	Cornet	NC			
4/33	Challenger	633E	30M	CC	W H Eagle
4/33	Challenger	284K	45M	Misc	W H Eagle
4/33	Challenger	284K	20M	CC	W H Eagle
4/33	Challenger	284K	1H 25M	Misc	W H Eagle
4/33	Challenger	633E	1H 05M	Pass.	W H Eagle
			1310 HRS.	40 MIN.	

State of New York County of Philadelphia:
 Appear and says the foregoing
 Subscribed and sworn to this
 25th day of April 1933
 Luther J. Bates
 Notary Public

4/25/33	Challenger	284K	35M	Misc	W H Eagle
4/29/33	Challenger	284K	50M	Instr	W H Eagle
4/29/33	Challenger	633E	40M	CC	W H Eagle
4/30/33	Challenger	633E	45M	Pass.	W H Eagle
4/30/33	Challenger	284K	1H 55M	Misc	W H Eagle
5/2/33	Challenger	284K	35M	Misc	W H Eagle
5/4/33	Challenger	284K	1H 10M	Misc	W H Eagle
Total time to date,			1317 H	25 M	

PASSENGERS	REMARKS
	CC Newark to Lang Log + rain
	Instr. (1) student (2) Pass. hop.
	CC Pass. hop Bordenwood + ret Lang.
	Instr. (2) students CC Newark to Lang Hops
	(A) Aid Pass. (2) Free Pass.

W H Eagle being duly sworn
 Log is correct and true.
 William H. Eagle

- (1) cc CC Newark + ret.
- Instr. (2) students
- CC Central Airport + return
- (4) Pass. hops
- (3) Student Instr. (2) Pass. hops
- Misc. flying
- (1) Solo Instr. (2) Students

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
4/30/33	or Challenger	NC 284K	1H-55M	Misc	W.A. Ingle
5/1/33	Comet Challenger	NC 633E	1H-50M	Misc	W.A. Ingle
5/10/33	or Challenger	NC 284K	50M	Misc	W.A. Ingle
5/12/33	Comet Challenger	NC 633E	35M	Misc	W.A. Ingle
5/17/33	Comet Challenger	NC 633E	2H-5M	CC	W.A. Ingle
5/14/33	or Challenger	NC 633E	2H-50M	Misc	W.A. Ingle
5/14/33	or Challenger	NC 284K	1H-10M	Misc	W.A. Ingle
5/17/33	or Challenger	NC 284K	1H-40M	Misc	W.A. Ingle
5/16/33	or Challenger	NC 284K	1H-10M	Misc	W.A. Ingle
5/21/33	or Challenger	NC 284K	1H-15M	Misc	W.A. Ingle
5/21/33	Comet Challenger	NC 633E	1H-10M	Misc	W.A. Ingle
5/23/33	or Challenger	NC 284K	1H-10M	Misc	W.A. Ingle
5/25/33	or Challenger	NC 284K	45M	Misc	W.A. Ingle
5/27/33	or Challenger	NC 284K	35M	Instr.	W.A. Ingle
5/28/33	or Challenger	NC 284K	1H-25M	Misc	W.A. Ingle
5/26/33	Comet Challenger	NC 633E	2H-15M	Misc	W.A. Ingle
5/29/33	Comet Challenger	NC 633E	4H-45M	Misc	W.A. Ingle
5/30/33	or Challenger	NC 284K	20M	Misc	W.A. Ingle
6/1/33	or Challenger	NC 284K	1H-5M	Misc	W.A. Ingle
6/3/33	or Challenger	NC 284K	40M	Pass.	W.A. Ingle
Total time to date,			1346 H. 55 M		

PASSENGERS	REMARKS
	Instr. (3) students (1) Pass. Hop.
	Passenger hopping - Ex. Flying - carried para jumper
	(1) Solo hop Instr. (1) Student
	(1) ck. hop CC Mercer & return
	CC Rader Airport N.J. CC Cape May's return Langhorne
	Passenger flying (1) Solo Hop
	Instr. for Carris - (3) Pass. Hops (2) Solo Hops.
	Instr. for Carris - Haines - Keller
	CC Wingport & return (1) Solo Hop.
	Instr. for Carris - W. Keena (1) Pass. Hop
	Passenger Hopping - carried parachute jumper
	Instr. Carris - Byram (1) Pass. Hop.
	ck Byram - (1) Solo Flight
	Instr. for Carris
	ck Byram - Pass. Flights (6)
	(1) Pass. Flights - carried parachute jumper
	(27) Pass. Flights (1) Flight to Mercer & ret.
	(2) Pass. Flights
	Instr. Carris (2) Pass. hops
	(4) Pass. Flights

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
6/4/33	Challenge	NC 284K	55M	Instr.	Wt Single
6/4/33	Cornet Challenge	NC 633E	1H-25M	Misc	Wt Single
6/6/33	Challenge	NC 284K	1H-35M	Misc	Wt Single
6/8/33	Challenge	NC 284K	1H-05M	Misc	Wt Single
6/10/33	Challenge	NC 284K	55M	Misc	Wt Single
6/11/33	Challenge	NC 284K	35M	Misc	Wt Single
6/11/33	Cornet Challenge	NC 633E	1H-5M	Misc	Wt Single
6/17/33	Challenge	NC 284K	25M	Solo	Wt Single
6/17/33	Challenge	NC 284K	55M	Instr.	Wt Single
6/14/33	Challenge	NC 284K	15M	Solo	Wt Single
6/16/33	Challenge	NC 284K	55M	Misc	Wt Single
6/14/33	Cornet Challenge	NC 633E	40M	CC	Wt Single
6/17/33	Challenge	NC 633E	45M	CC	Wt Single
6/18/33	Cornet Challenge	NC 633E	1H-45M	Misc	Wt Single
6/18/33	Challenge	NC 284K	1H-15M	Misc	Wt Single
6/22/33	Challenge	NC 284K	40M	Solo	Wt Single
6/24/33	Challenge	NC 284K	1H-25M	Misc	Wt Single
6/25/33	Cornet Challenge	NC 633E	1H-15M	Misc	Wt Single
6/24/33	Challenge	NC 284K	1H-25M	Misc	Wt Single
7/1/33	Cornet Challenge	NC 633E	1H-55M	Misc	Wt Single
Total time to date,			13681H	15M	

PASSENGERS	REMARKS
	Instr. McKeena - Carric
	Pass. Flight carrying parachute jumper
	CC (1) student CC Wingport + reb. (3) Pass. Flights
	CC Wingport + reb. (1) Free Pass. Flight (1) Solo Flight
	Instr. Carric - Byram (1) Solo Flight
	Instr. McKeena (2) Pass. Flights
	Pass. Flights carrying jumper (1) Solo Flight
	(1) Local Solo Flight
	Aero-Loops-stalls-spin
	(1) Solo Flight
	(2) ck Loops
	CC Wingport + return
	CC Newark
	Ret. Newark (4) Pass. Flights, carried jumper
	(2) ck Loops
	Local Solo Flights
	CC Thompson for spin Misc. Flights
	Pass. Flights, carried jumper (1) Solo Flight
	Instr. Local Solo
	CC Newark reb. (4) Pass. Flights Test out new plugs.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
7/2/33	Cornet Challenge	NC 633E	15M	Pass.	Wt Engh
7/2/33	Challenge	NC 284K	15M	Solo.	Wt Engh
7/4/33	Challenge	NC 284K	2H-55M	Misc	Wt Engh
7/4/33	Cornet Challenge	NC 633E	1H-50M	Misc	Wt Engh
7/6/33	Challenge	NC 284K	35M	Misc	Wt Engh
7/6/33	Challenge	NC 284K	1H-15M	Misc	Wt Engh
7/8/33	Cornet Challenge	NC 633E	35M	CC	Wt Engh
7/9/33	Cornet Challenge	NC 633E	2H-5M	Misc	Wt Engh
7/9/33	Cornet Challenge	NC 633E	30M	Misc	Wt Engh
7/10/33	Challenge	NC 284K	25M	Misc	Wt Engh
7/17/33	Challenge	NC 284K	25M	Solo	Wt Engh
7/19/33	Challenge	NC 284K	30M	Solo	Wt Engh
7/19/33	Challenge	NC 284K	40M	Misc	Wt Engh
7/19/33	Cornet Challenge	NC 633E	2H-35M	Misc	Wt Engh
7/19/33	Challenge	NC 633E	1H-35M	CC	Wt Engh
7/21/33	Challenge	NC 284K	35M	Misc	Wt Engh
7/21/33	Challenge	NC 633E	1H-35M	Misc	Wt Engh
7/27/33	Cornet Challenge	NC 633E	1H-05M	Misc	Wt Engh
7/29/33	Challenge	NC 284K	30M	Solo.	Wt Engh
7/29/33	Challenge	NC 284K	20M	Solo	Wt Engh
Total time to date,					1388 H 50 M

PASSENGERS	REMARKS
	(1) Pass. Hop.
	(1) ck Hop.
	(9) Pass. Flights (2) Free Flights ck (2) Students
	(8) Pass. Flights (3) Free Flights carried jumper
	Solo Mc Keena (1) Solo Flight
	Solo (1) Student (5) Pass. Flights
	CC Newark
	CC Newark (1) Pass. Flights (2) Free Flights car. jumper
	CC Mercut ret. (1) ck hop after repair
	(3) Solo Flights
	(1) Solo Flight
	(1) Solo Flight to 8000 ft.
	CC Mercut + ret. (1) Solo Flight
	(7) Pass. Flights (2) Free Flights - carried jumper
	CC Olga Bennett + ret. with (2) Pass.
	CC Mercut ret (1) Solo Flight
	CC Newark - Teddboro - ret to Newark 2 Pass Hops.
	Ret. from Newark (2) Free Pass. Flights
	(1) ck Hop
	ck Unruh

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
7/24/33	Challenge	NC 284K	40M	Pass.	Wingle
7/28/33	Challenge	NC 284K	35M	Misc	Wingle
7/29/33	Challenge	NC 284K	2H-15M	Misc	Wingle
7/30/33	Challenge	NC 284K	55M	Misc	Wingle
7/30/33	Comet Challenge	NC 633E	4H-50M	Misc	Wingle
8/3/33	Challenge	NC 284K	50M	Misc	Wingle
8/4/33	Challenge	NC 284K	15M	Solo	Wingle
8/6/33	Challenge	NC 284K	1H 0M	CC	Wingle
8/6/33	Comet Challenge	NC 633E	1H-50M	Pass.	Wingle
8/8/33	Challenge	NC 284K	1H-15M	Misc	Wingle
8/9/33	Challenge	NC 284K	20M	CC	Wingle
8/9/33	Comet Challenge	NC 633E	10M	CC	Wingle
8/11/33	Comet Challenge	NC 633E	5H-5M	CC	Wingle
8/13/33	Comet Challenge	NC 633E	4H-50M	CC	Wingle
8/14/33	Comet Challenge	NC 633E	3H-35M	CC	Wingle
8/17/33	Comet Challenge	NC 633E	5H-50M	CC	Wingle
8/17/33	Challenge	NC 284K	50M	Misc	Wingle
8/18/33	Challenge	NC 284K	55M	Inst.	Wingle
8/19/33	Challenge	NC 284K	45M	Inst.	Wingle
8/19/33	Comet Challenge	NC 633E	1H-5M	Misc	Wingle
Total time to date,			1436 H. 35M		

PASSENGERS	REMARKS
(2) Pass Flights (4) Free Flights	
CC Trenton + rel. (4) Flights	
Inst (3) students (3) Free Pass. Flights	
Misc Flight (3) Pass. Flights	
CC Bryn Mawr - 24 Pass Flights (1) Free + rel. to Langhorne	
Inst (1) student (4) Pass. Flights	
(1) Solo Flight	
CC New Market - OK	
(6) Pass Flights (4) Free Flights	
Inst. (5) Pass. Flights	
CC Mercer + rel.	
CC Mercer	
CC Reading - Belfonte - Cleveland, Ohio	
CC Cleveland, O - Goshen, Ind. CC Chicago, Ill	
CC Chicago to Cleveland, Ohio.	
CC Cleveland to Belfonte - Langhorne, Pa.	
Inst (1) student CC Mercer + rel. (1) Pass Flight	
Inst (1) student	
Inst (1) student	
(1) OK Hop CC Newark	

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
8/29/33	Comet Challenge	NC 633E	3H-5M	Misc	Wt Engle
8/29/33	Challenge	NE 284K	50M	Instr.	Wt Engle
8/25/33	Comet Challenge	NC 633E	1H-15M	Misc	Wt Engle
8/26/33	Comet Challenge	NC 633E	2H-40M	Misc	Wt Engle
8/24/33	Challenge	NC 284K	1H-50M	Misc	Wt Engle
8/24/33	Challenge	NC 284K	20M	Misc	Wt Engle
8/31/33	Challenge	NC 284K	1H-15M	Misc	Wt Engle
9/2/33	Challenge	NC 284K	35M	Instr.	Wt Engle
9/3/33	Challenge	NC 284K	3H-20M	Misc	Wt Engle
9/3/33	Comet Challenge	NC 633E	45M	Pass.	Wt Engle
9/4/33	Challenge	NC 284K	1H-10M	Instr.	Wt Engle
9/6/33	Challenge	NC 284K	50M	Instr.	Wt Engle
9/7/33	Challenge	NC 284K	2H-40M	Misc	Wt Engle
9/7/33	Challenge	NC 284K	1H-30M	Instr.	Wt Engle
9/9/33	Comet Challenge	NC 633E	1H-30M	Misc	Wt Engle
9/10/33	Comet Challenge	NC 633E	1H-40M	Misc	Wt Engle
9/14/33	Challenge	NC 284K	1H-05M	Misc	Wt Engle
9/13/33	Challenge	NC 284K	1H-25M	Misc	Wt Engle
9/17/33	Challenge	NC 284K	1H-55M	Misc	Wt Engle
9/20/33	Comet Challenge	NC 633E	1H-30M	Misc	Wt Engle
Total time to date,			1462 H	45 M	

PASSENGERS	REMARKS
CC Newark (8) Pass. Flights (9) Free Flights	Instr. (2) Students
CC Mercer - CC Pitcairn - rel. (2) Pass Flights	
CC Bryantown - (5) Pass. Flights - rel. Lauchlin	
CC Mercer + rel. Instr (1) student (2) Pass Flights	5 Free Flights
	1 ck hop CC Mercer for inspection.
CC Mercer (4) solo Flights Instr. (1) student	
Instr. Robinson	
(10) Pass Flights (3) Free Flights Instr (2) students	
(3) Pass Flights 2 Free Flights (1) solo hop.	
Instr. (2) Students	
Instr. for Pyramid	
Instr (3) students (2) Pass. Hops (1) Free Flight	
Instr (3) Students	
CC Pitcairn (3) Pass. Flights	
(5) Pass Flights (4) Free Flights (2) solo flights	
Instr. Robinson CC Mercer rel. (1) solo flight	
Instr (2) students (1) solo flight	
Instr (3) students (2) Pass Flights (1) solo flight	
(6) Pass Flights (4) Free Flights (2) solo flights	

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
9/1/33	Challenge	NC 284K	1H-40M	Misc	Wt Engrs
9/2/33	Challenge	NC 284K	1H-20M	Misc	Wt Engrs
9/2/33	Challenge	NC 284K	55M	Misc	Wt Engrs
9/2/33	Challenge	NC 284K	1H-05M	Inst	Wt Engrs
9/23/33	Challenge	NC 284K	55M	Inst.	Wt Engrs
9/24/33	Challenge	NC 284K	2H-55M	Misc	Wt Engrs
9/24/33	Comet Challenge	NC 633E	1H-10M	Misc	Wt Engrs
9/25/33	Challenge	NC 284K	1H-05M	Misc	Wt Engrs
9/27/33	Challenge	NC 284K	30M	Inst.	Wt Engrs
9/31/33	Challenge	NC 284K	75M	Inst.	Wt Engrs
10/1/33	Challenge	NC 284K	2H-10M	Misc	Wt Engrs
10/1/33	Comet Challenge	NC 633E	45M	Misc	Wt Engrs
10/4/33	Challenge	NC 284K	1H-15M	Misc	Wt Engrs
10/6/33	Challenge	NC 284K	1H-05M	Inst. Misc	Wt Engrs
10/6/33	Comet Challenge	NC 633E	30M	Misc	Wt Engrs
10/7/33	Comet Challenge	NC 633E	30M	Misc	Wt Engrs
10/7/33	Challenge	NC 284K	1H-10M	Inst.	Wt Engrs
10/8/33	Challenge	NC 284K	1H-05M	Inst.	Wt Engrs
10/8/33	Comet Challenge	NC 633E	1H-15M	CC	Wt Engrs
10/9/33	Challenge	NC 284K	55M	Misc	Wt Engrs
Total time to date,			1485 H.		45M

PASSENGERS	REMARKS
Incl (1) student	(1) Pass. Flight (1) Misc Flight CC Mercet rel.
Incl (2) student	(1) Pass Flight - (1) Solo Flight
	(1) Pass Flight to Mercet rel. (1) Solo Flight
Incl (2) students	
Incl (2) students	
Incl (3) students	(2) Misc Pass Flights
	(2) Pass Flights (6) Misc + 1 Solo Flight
	Incl. + (2) Misc Pass. Flights
	Incl. Van Saut.
Incl (1) student	
Incl (3) students	(2) Pass. Flights
	(2) Pass Flights (1) Misc Flight (1) Solo Flight
	(CC) Incl. Robinson Van Saut
	Incl. Robinson + Van Saut
	CC Mercet rel. (1) Solo Flight
	(1) Pass Flight (1) Solo Flight
	Incl. Robinson + Van Saut
	Incl Robinson + Van Saut
	CC Roosevelt - Hammond + rel to Langhorne
	Incl (1) student + (1) Solo Flight
	"

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
11/1/33	Challenge	NC 284K	55M	Misc	W.A. Eagle
11/7/33	Challenge	NC 284K	2H-40M	Misc	W.A. Eagle
11/17/33	Challenge	NC 633E	1H-15M	Misc	W.A. Eagle
11/20/33	Challenge	NC 284K	40M	Inst.	W.A. Eagle
11/21/33	Challenge	NC 284K	45M	Inst.	W.A. Eagle
11/22/33	Challenge	NC 284K	1H-45M	Inst.	W.A. Eagle
11/23/33	Challenge	NC 633E	1H-10M	Misc	W.A. Eagle
11/25/33	Challenge	NC 633E	45M	Misc	W.A. Eagle
11/27/33	Challenge	NC 633E	2H-05M	Misc	W.A. Eagle
11/29/33	Challenge	NC 284K	3H-50M	Misc	W.A. Eagle
11/30/33	Challenge	NC 284K	45M	Misc	W.A. Eagle
12/1/33	Challenge	NC 633E	55M	Misc	W.A. Eagle

1503 HRS 15 MIN

State of Pennsylvania County of Philadelphia
 Representing the foregoing
 subscribed and sworn to this

6th day of November 1933

Walter J. Bates
 Notary Public

Total time to date,

COM. EXP. JAN 21, 1937

PASSENGERS	REMARKS
	Inst. - (1) ck flight
	Inst. Robinson - Van Paul - Byram - (1) ck - (1) solo flight
	CC Central + rel. (1) free flight
	Inst. Robinson + Van Paul
	Inst. Robinson - Parrie
	Inst. (3) students
	CC Piteau + rel. (5) free flights (2) solo flights
	CC Central + rel.
	(1) ck flight (5) solo flights (4) free flights
	Inst. (5) students (4) Pass. flights - ck ship after
	ck ship after may changed - Inst. Robinson
	CC Central + rel. Lang. (1) solo flight

W.A. Eagle being duly sworn
 by is correct and true

William H. Eagle

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Plot
11/2/33	Challenge	284K	45M	Instr.	WAEngls
11/3/33	Challenge	284K	40M	Instr.	WAEngls
11/7/33	Challenge	284K	150M	Misc.	WAEngls
11/12/33	Challenge	284K	45M	Instr.	WAEngls
11/17/33	Challenge	633E	40M	Misc	WAEngls
11/18/33	Challenge	633E	80M	Misc	WAEngls
11/19/33	Challenge	284K	30M	Instr.	WAEngls
11/20/33	Challenge	284K	25M	Solo	WAEngls
11/21/33	Challenge	284K	15M	ck hop	WAEngls
11/24/33	Challenge	284K	30M	Instr	WAEngls
11/24/33	Challenge	633E	60M	Misc	WAEngls
11/29/33	Challenge	284K	35M	Instr.	WAEngls
11/29/33	Challenge	284K	25M	Instr.	WAEngls
11/29/33	Challenge	284K	50M	Instr.	WAEngls
11/29/33	Challenge	633E	35M	Misc	WAEngls
11/29/33	Challenge	284K	20M	Misc	WAEngls
11/24/34	Challenge	284K	35M	Misc.	WAEngls
11/4/34	Challenge	633E	35M	-	WAEngls
11/12/34	Challenge	284K	20M	CC	WAEngls
11/29/34	Challenge	633E	105M	CC	WAEngls
Total (time to date,					1518H-35M

PASSENGERS	REMARKS
	Student Instr. - Robinson
	Student Instr. - White
	Instr. Robinson, Vaw Saak - Demot. Hop (3) ^{CC Camden ret.} _{Pass. hop}
	Instr. Robinson & White
	(1) Pass. hop (1) Solo hop.
	(10) Pass. hops.
	Instr. Byram
	Solo hop.
	(1) ck hop
	Instr. - White
	(4) Pass. hops
	Instr. Robinson & Vaw Saak
	Student Instruction
	Student Instruction
	(1) Pass. hop (1) Solo hop.
	(1) Pass. hop.
	Banner towing
	Pass. hop.
	CC Camden F. J.
	CC Central - Washington, D.C. (2) Pass.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
1/21/34	Comet	NC			
1/30/34	Challenge	633E	155M	CC	W. A. Engle
1/21/34	Challenge	284K	70M		W. A. Engle
1/27/34	Challenge	284K	20M		W. A. Engle
1/28/34	Comet	NC			
1/28/34	Challenge	633E	130M	CC	W. A. Engle
1/30/34	Challenge	284K	35M		W. A. Engle
1/30/34	Challenge	284K	50M		W. A. Engle
1/31/34	Challenge	284K	55M	CC	W. A. Engle
2/1/34	Challenge	284K	50M		W. A. Engle
2/11/34	Challenge	284K	15M		W. A. Engle
2/11/34	Comet	NC			
2/11/34	Challenge	633E	35M	Pass.	W. A. Engle
2/17/34	Challenge	284K	35M		W. A. Engle
2/18/34	Comet	NC			
2/18/34	Challenge	633E	45M	CC	W. A. Engle
2/25/34	Comet	NC			
2/25/34	Challenge	633E	45M	Pass.	W. A. Engle
2/28/34	Comet	NC			
2/28/34	Challenge	284K	20M	Solo	W. A. Engle
2/30/34	Challenge	284K	35M	Misc	W. A. Engle
3/1/34	Challenge	284K	85M	Misc	W. A. Engle
3/1/34	Comet	NC			
3/1/34	Challenge	633E	45M	Pass.	W. A. Engle
3/7/34	Challenge	284K	40M	Inst.	W. A. Engle
3/8/34	Challenge	284K	135M	Misc	W. A. Engle
3/8/34	Comet	NC			
3/8/34	Challenge	633E	75M	Pass.	W. A. Engle
Total time to date,					1540M - 30M

PASSENGERS	REMARKS
	(3) Pass. hops
	CC Washington, D.C. to Camden, ret. Langhorne
	Demonstration for Haines & Hanson
	Banner towing
	(2) Pass. Lang. W. Pass. hops.
	CC Camden, Atlantic City, ret. Central, ret.
	Banner towing
	Banner towing
	CC Central, + ret. test Banner towing
	Banner towing
	ok out ship + motor
	(1) Pass. hop.
	Banner towing
	CC Floyd Bennett, N.Y.
	(3) Passenger hops.
	Solo hop.
	Misc.
	Inst. (1) student ck (2) students
	(3) Pass hops
	Inst (1) student ck (1) student
	Inst. (12) Pass. hops.
	(7) Pass. hops.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
4/1/34	Comet	NC			
4/1/34	Challenge	633E	155M	Pass.	W. Engle
4/1/34	Comet	NC			
4/1/34	Challenge	284K	100M	Misc	W. Engle
4/2/34	Comet	NC			
4/2/34	Challenge	284K	50M	Misc	W. Engle
4/2/34	Comet	NC			
4/2/34	Challenge	633E	140M	CC	W. Engle
4/27/34	Comet	NC			
4/27/34	Challenge	633E	160M	CC	W. Engle

1551 H - 30 M

I certify the above to be true.

James H. Orange
 Acting Gen. Counselor
 Shuler

April 28, 1934

NOTARY PUBLIC
 My Commission Expires Mar. 9, 1935

William A. Engle

Total time to date,

PASSENGERS	REMARKS
(20) Pass.	7 hops
Incl. (4) Pass.	hops.
Incl. (2) Pass.	hops.
Incl. (2) Pass.	hops.
cc Central - cc Atlantic City - cc Cape May - cc Dover, Del. (2) Pass.	
cc Dover, Del. to Central - cc Central to Bethlehem - cc Central - cc	Incl. (2) Pass.

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot	PASSENGERS	REMARKS
4/28/34	Challenge	NC 284K	105M	Misc	W. Engle		Instr. (2) Students (3) Pass. Hops.
4/29/34	Challenge	NC 284K	70M	Misc	W. Engle		(2) Pass. Hops Instr (1) Student
4/29/34	Challenge	NC 633E	330M	Sight	W. Engle		(4) Pass. Hops
4/30/34	Challenge	NC 633E	65M	CC	W. Engle		cc Camden, N.J. - Mercer, N.J. - Pitcairn & ret.
5/1/34	Challenge	NC 284K	50M	Misc	W. Engle		Passenger & Hops
5/6/34	Challenge	NC 284K	150M	Instr.	W. Engle		Instr. (3) Students
5/6/34	Challenge	NC 633E	165M	Misc	W. Engle		(12) Pass. Hops (1) cc Hop.
5/12/34	Challenge	NC 633E	135M	Misc	W. Engle		(10) Pass. Hops (1) cc Hops.
5/12/34	Challenge	NC 284K	90M	Instr.	W. Engle		Instr. (3) Students
5/13/34	Challenge	NC 284K	135M	Instr.	W. Engle		Instr (4) students (1) ck Hop.
5/13/34	Challenge	NC 633E	155M	Pass.	W. Engle		(2) Paid Pass. Hops (4) Free Hops.
5/17/34	Challenge	NC 284K	125M	Instr.	W. Engle		Instr. (4) students (1) ck Hop sight
5/19/34	Challenge	NC 284K	235M	Misc	W. Engle		Instr (3) students (2) Pass. Flights (1) ck
5/20/34	Challenge	NC 284K	250M	Misc	W. Engle		Instr. (4) students (4) Pass. Flights
5/23/34	Challenge	NC 284K	105M	Misc	W. Engle		(1) ck flight (1) Dem. flight (1) solo flight to Langhorne
5/26/34	Challenge	NC 633E	135M	CC	W. Engle		cc Phila. Airport - Pitcairn - Mercer - ret.
5/27/34	Challenge	NC 284K	250M	Instr	W. Engle		Instr. (5) students (1) ck flight
5/27/34	Challenge	NC 633E	235M	Pass.	W. Engle		(5) Pass. Flights (2) - 14000 ft.
5/29/34	Challenge	NC 633E	60M	Test	W. Engle		Test Hops after major overhaul
5/29/34	Challenge	NC 633E	335M	Pass.	W. Engle		(31) Pass. Flights (2) Free Pass. Flights
Total time to date,			1604	HRS	35 MIN		

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
5/30/34	Comet	NC			
5/30/34	Challenge	633E	250M	Misc	W. King
5/30/34	Cirrus	NC			
5/30/34	Arcian	6882	65M	Misc	W. King
6/2/34	Comet	NC			
6/2/34	Challenge	633E	145M	CC	W. King
6/3/34	Comet	NC			
6/3/34	Challenge	633E	95M	CC	W. King
6/3/34	Comet	NC			
6/3/34	Challenge	633E	250M	Misc	W. King
6/3/34	Challenge	NC			
6/3/34	Challenge	284K	90M	Inst.	W. King
6/7/34	Comet	NC			
6/7/34	Challenge	633E	110M	CC	W. King
6/8/34	Challenge	NC			
6/8/34	Challenge	284K	50M	Misc	W. King
6/9/34	Cirrus	NC			
6/9/34	Arcian	6882	30M	Inst.	W. King
6/9/34	Challenge	NC			
6/9/34	Challenge	284K	235M	Misc	W. King
6/10/34	Challenge	NC			
6/10/34	Challenge	284K	225M	Misc	W. King
6/10/34	Challenge	NC			
6/10/34	Challenge	284K	135M	Misc	W. King
6/13/34	Challenge	NC			
6/13/34	Challenge	284K	95M	Misc	W. King
6/16/34	Challenge	NC			
6/16/34	Challenge	284K	150M	Misc	W. King
6/16/34	Cirrus	NC			
6/16/34	Arcian	6882	30M	Inst.	W. King
6/23/34	Cirrus	NC			
6/23/34	Arcian	6882	30M	Inst.	W. King
6/23/34	Challenge	NC			
6/23/34	Challenge	284K	225M	Misc	W. King
6/23/34	Challenge	NC			
6/23/34	Challenge	4104	40M	Inst.	W. King
6/24/34	Challenge	NC			
6/24/34	Challenge	284K	155M	Misc	W. King
6/24/34	Challenge	NC			
6/24/34	Challenge	284K	50M	Pass.	W. King
Total time to date,			1647	Avs.	10 min.

PASSENGERS	REMARKS
	One flight
	(2) Pass. flights (3) flight to 15000 ft (1)
	Inst flight - (1) Inst. flight
	CC Washington, D.C. (2) Paid Passengers
	CC Washington D.C. to Camden N.J. to Langhams
	(16) Pass. flights (1) Inst. flight CC
	Inst. (3) Students
	CC Deliver Comet to Perwick, Va
	Inst. (1) student (1) Pass. Hop.
	Inst (1) student
	Inst (4) Students (4) Pass. Hops (1) ck
	Inst (5) Students (10) Pass. flights
	Practice Landings CC Airwork - dual
	Inst. (1) student (1) Dem. flight (1) ck flight
	CC Patco + return (1) student Inst. (3) Pass.
	Inst. (1) student
	Inst. (1) student
	Inst (2) Students (1) Dem. flight CC return
	Inst in spins for 1000 ft + Langhams
	Inst. (3) Students (1) Dem. flight CC
	2 Free flights (2) Paid flights

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
6/27/34	Challenge	NC 284K	125M	Misc	W. Enghs
6/28/34	Challenge	NC 284K	40M	Misc	W. Enghs
6/29/34	Challenge	NC 4104	45M	Inst.	W. Enghs
6/29/34	Challenge	NC 4104	40M	Test	W. Enghs
6/30/34	Cursep	NC 6882	30M	Inst.	W. Enghs
7/1/34	Challenge	NC 284K	705M	Misc	W. Enghs
7/4/34	Challenge	NC 284K	125M	Misc	W. Enghs
7/7/34	Challenge	NC 284K	150M	Misc	W. Enghs
7/8/34	Challenge	NC 284K	215M	Misc	W. Enghs
7/11/34	Challenge	NC 284K	125M	Misc	W. Enghs
7/13/34	Challenge	NC 284K	150M	Misc	W. Enghs
7/13/34	Challenge	NC 284K	185M	Misc	W. Enghs
7/25/34	Challenge	NC 284K	30M	Inst.	W. Enghs
7/31/34	Cursep	NC 6882	60M	Misc	W. Enghs
8/1/34	Challenge	NC 284K	40M	Inst.	W. Enghs
8/5/34	Challenge	NC 284K	35M	Pass	W. Enghs
8/5/34	Uelia	NC 11985	85M	CC + P.L.	W. Enghs
8/6/34	Chilly	NC 284K	50M	CC	W. Enghs
8/8/34	Cursep	NC 6882	65M	TEST & INS.	W. Enghs
8/10/34	MAIL Wing	NC 10377	70M	CC	W. Enghs
Total time to date,			1678	hrs.	20 min.

PASSENGERS	REMARKS
Inst. (3) Students (1) Dem. Flight (1) Pass	Flight
Inst. (1) Student (1) Pass. Flight	
Inst. in spin for Korral.	
Test out ship after re-rigging	
Inst. (1) Student	
Inst. (3) Students (2) Pass. Flights cc Pitcairn + rel.	
Inst. (4) Students (2) Pass. Flight to Pitcairn	
Inst. (1) Student cc W. Enghs + rel. (1) CC	Flight
(6) Pass. Flights (4) Inst. Flights cc Pitcairn + rel.	Relocate to 6000 ft.
Inst. (3) Students (1) Pass. Flight cc Pitcairn + rel.	
Inst. (3) Students cc Merce + rel. (3) Pass. Flights	
Inst. (4) Students cc Pitcairn + rel. (2) Pass.	
Inst. (1) Student	
Test out after re-rigging - 30M Inst.	(1) Student
Inst. (1) Student (1) Solo Pass.	
2 Passenger Flights	
cc to Langhore Bustal Ret to Pitcairn, + P.L.	
cc to Candari + Pitcairn Ret to Langhore	Pull only
Test out after re-rigging Tail + 30 min Inst	
cc to Newark for Inspection + Ret to Pitcairn	

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
8/12/34	PITCAIRN MAILING	NC 10377	115M	MISC.	WEngle
8/6/34	PITCAIRN MAILING	NC 10377	135M	TEST	WEngle
8/15/34	PITC MAIL	NC 10377	40M	PASS.	WEngle
8/15/34	CIRRUS AVIAN	NC 6882	30M	INST	WEngle
8/18/34	CIRRUS AVIAN	NC 6882	30M	Inst	WEngle
8/18/34	PIT MAIL	NC 10377	80M	Inst & C.C.	WEngle
8/19/34	CIRRUS AVIAN	NC 6882	30M	Inst	WEngle
8/19/34	PIT MAIL	NC 10377	70M	CC	WEngle
8/19/34	PIT MAIL	NC 10377	90M	Misc	WEngle
8/22/34	PIT MAIL	NC 10377	55M	Misc	WEngle
8/22/34	CIRRUS AVIAN	NC 6882	95M	Misc	WEngle
8/24/34	CIRRUS AVIAN	NC 6882	30M	Inst	WEngle
8/25/34	CIRRUS AVIAN	NC 6882	30M	Inst	WEngle
8/26/34	CIRRUS AVIAN	NC 6882	120M	Inst	WEngle
8/26/34	PIT MAIL	NC 10377	95M	Misc	WEngle
8/27/34	CIRRUS AVIAN	NC 6882	30M	Inst.	WEngle
8/29/34	CIRRUS AVIAN	NC 6882	30M	Inst	WEngle
9/1/34	PIT MAIL	NC 10377	35M	Misc	WEngle
9/1/34	PIT MAIL	NC 10377	205M	CC	WEngle
9/2/34	PIT MAIL	NC 10377	55M	CC	WEngle
Total time to date,			1701	hrs.	55 min.

PASSENGERS	REMARKS
	cc from Pitcairn; comg 8 Passengers 1 CC to Canyon & Ret to Pitcairn. Mistake in entry of this log. Test out new ship after adjustments O.K. WBE
	4 Passengers flights.
	Instructions for Stepnick
	Instructions for Stepnick
	checks & CC to Washington D.C. ^{WBE} WBE AM
	Instructions for Stepnick
	cc for Wash D.C. to Lang.
	cc to Pits Ret. + 8 Passenger flights.
	cc to Langham + check after re-rig for ^{L was} heavy.
	Instructions for Stepnick cc & air work.
	Instructions for Stepnick
	Instructions for Stepnick
	Denotation + CC to Pits East & ^{air work} Stepnick's friends
	cc to Langham + 6 Pass. flights, 1 check.
	Instructions for Stepnick
	Instructions for Stepnick
	check after rig installed & cc to Langham.
	cc to Mercer airport ^{found down} left of Conn. Int. rain zone 0 & SW wind
	cc from Mercer to Cleveland for air Races Cloudy ^{strong} wind

Date	Type of Machine	Number of Machine	Duration of Flight	Character of Flight	Pilot
	PIT	NC			
9/4/34	MAIL	10377	150M	CHECK	WtEngle
	PIT	NC			
9/5/34	MAIL	10377	185M	CC	WtEngle
	PIT	NC			
9/6/34	MAIL	10378	65M	TEST	WtEngle
	PIT	NC			
9/9/34	MAIL	10378	40M	Misc	WtEngle
	PIT	NC			
9/23/34	MAIL	10377	85M	Misc	WtEngle
	PIT	NC			
9/24/34	MAIL	10377	25M	check	WtEngle
	PIT	NC			
10/20/34	MAIL	10377	65M	Misc	WtEngle

TOTAL TIME — 1711 HRS. 35 MIN.

I certify the above to be true

William H. Engle

James J. W. ...
 ...
 ...

October 27, 1934

Total time to date,

NOTARY PUBLIC
 Commission Expires Mar. 9, 1935

PASSENGERS	REMARKS
	Ret to Cleveland with the apt through.
	Check trip after servicing and check for weather
	cc. from Cleveland to Langhorns P.C. Tail W.
	Test out new ship for M.R. Keim U.K. after adjs.
	Check for wing heavy and stability U.K.
	cc to Mues carry Parachute jumps Pass trip et. rain.
	cc to Pitcairn for adj + 1 Pass flight.
	P.F. + 4 Pass flights Cloudy.