

GENERAL AVIATION STATISTICAL DATABOOK



1982 Edition

FOREWORD

The general aviation scene is changing. We at GAMA have compiled these statistics with the help of the FAA and others to help you understand where we stand today as a \$3 billion-a-year industry.

The first section of our new STATISTICAL DATABOOK shows how the change in our product mix has reduced total unit shipments while factory billings have increased. Reflected in these changes is the shift towards larger, more complex aircraft (especially turboprops and jets) for business transportation.

The "Pilots" section characterizes the current pilot population including the number of instrument-rated pilots and women pilots in the country.

A new item under "Airports" shows the growth of air navigation facilities in the U.S.

We've grouped under "Forecasts" the Federal Aviation Administration's estimates for pilot population, flight hours and fleet expansion through 1993. Also included are figures on the average fuel consumption of various aircraft types and data on the improvement in general aviation's safety record through the 1970s.

We've redesigned our STATISTICAL DATABOOK for your convenience. We'd appreciate your comments for future improvements.

General Aviation Manufacturers Association
1025 Connecticut Avenue, N.W.
Suite 517
Washington, D.C. 20036
(202) 296-6540

TABLE OF CONTENTS

	Page
U.S. GENERAL AVIATION AIRCRAFT SHIPMENTS	
Factory shipments and billings (1946-1981)	4
Graph of shipments and billings (1970-1981)	5
Factory shipments by aircraft type (1962-1981)	6
Factory shipments by year and month (1962-1981)	7
Factory shipments for export (1965-1981)	8
U.S. GENERAL AVIATION FLEET AND FLIGHT ACTIVITY	
Fleet size by aircraft type	10
Fleet size by FAA region and state	11
Estimated flight hours by aircraft type	12
Estimated flight hours per aircraft by type	12
U.S. PILOTS	
Active pilot certificates and ratings	14
Pilots and flight instructors by FAA region and state	15
Student pilot certificates issued, by month and year	16
Change in number of pilot certificates by year (1974-1980)	16
Instrument ratings held among total pilot population	17
Instrument ratings among various pilot categories	17
Women pilots (1970-1980)	18
AIRPORTS AND AERONAUTICAL FACILITIES	
Airports and landing facilities by state and region	20-21
Aeronautical and air traffic control facilities, number of	22
FORECASTS AND OTHER INFORMATION	
Forecast fleet size (1982-1993)	24
Forecast pilot population (historical-1993)	25
Forecast flight hours (historical-1993)	26
Forecast general aviation fuel usage (historical-1993)	26
General aviation safety record (1965-1980)	27
Average fuel consumption of various aircraft types	27
GAMA member companies	28
Index	29



**SHIPMENT
STATISTICS**



SHIPMENTS . . .

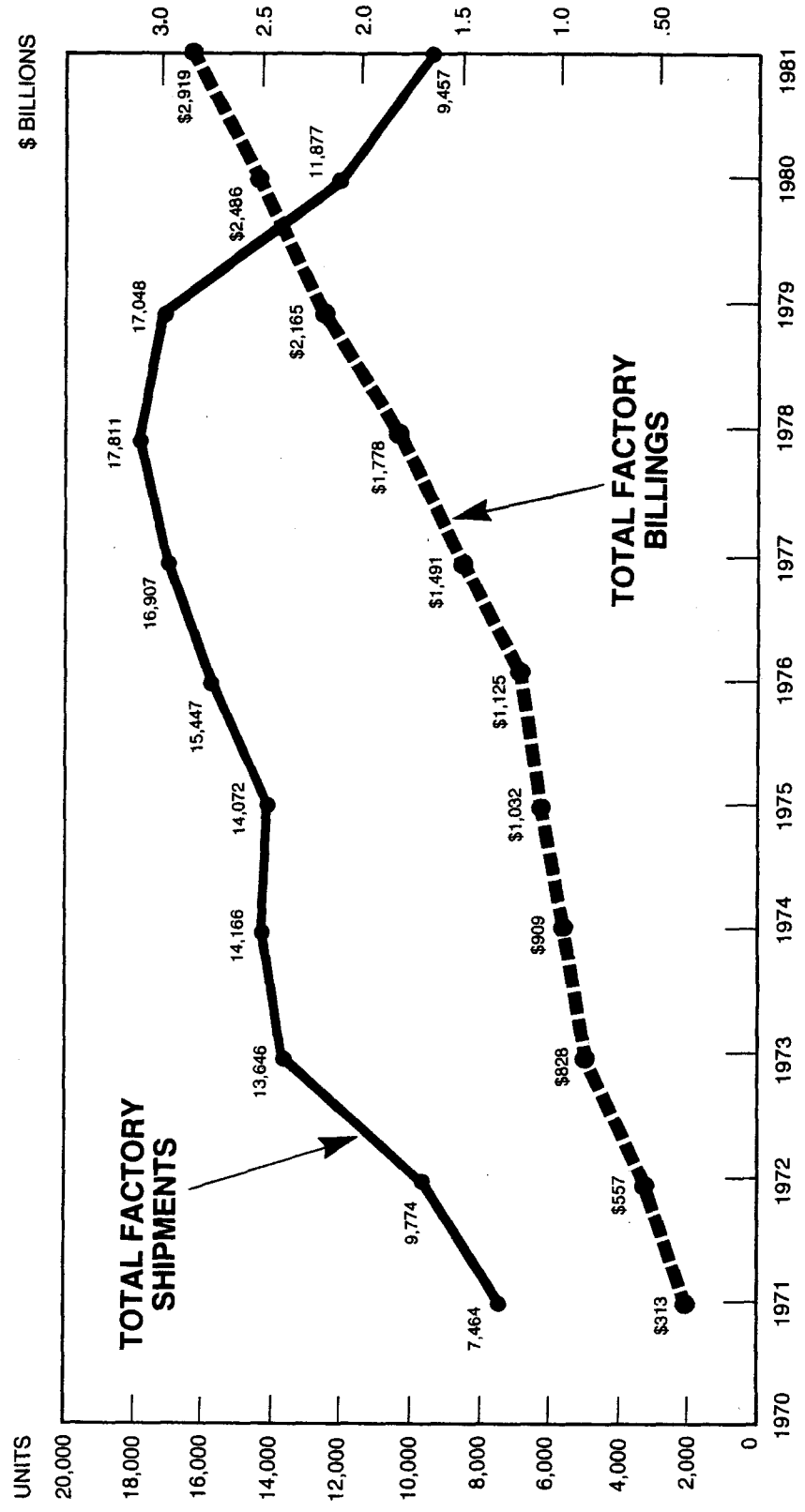
Annual Shipments of New U.S. General Aviation Aircraft by Units Shipped, Number of Companies Reporting, and Factory Net Billings

Year	Units Shipped	Companies Reporting	Factory Net Billings (Millions)
1946	35,000	—	\$ 110.0
1947	15,594	15	57.9
1948	7,037	12	32.4
1949	3,405	11	17.7
1950	3,386	13	19.1
1951	2,302	12	16.8
1952	3,058	8	26.8
1953	3,788	7	34.4
1954	3,071	7	43.4
1955	4,434	7	68.2
1956	6,738	8	103.7
1957	6,118	9	99.6
1958	6,414	10	101.9
1959	7,689	9	129.8
1960	7,588	8	151.2
1961	6,778	8	124.3
1962	6,697	7	136.8
1963	7,569	7	153.4
1964	9,336	8	198.8
1965	11,852	8	318.2
1966	15,768	10	444.9
1967	13,577	14	359.6
1968	13,698	14	425.6
1969	12,591	14	638.8
1970	7,402	13	364.1
1971	7,464	11	313.1
1972	9,774	12	557.2
1973	13,646	12	828.2
1974	14,166	12	909.4
1975	14,056	12	1,032.9
1976	15,449	12	1,225.5
1977	16,907	12	1,488.1
1978	17,811	12	1,781.3
1979	17,048	12	2,165.0
1980	11,877	12	2,486.2
1981	9,457	12	2,919.9

Source: GAMA



General Aviation Unit Shipments/Billings





SHIPMENTS BY TYPE . . .

U.S. General Aviation Aircraft Shipments by Type of Aircraft

Year	Total	Single Engine	Multi-Engine	Total Piston	Turbo-Prop	Jet
1962	6,697	5,690	1,007	6,697	-0-	-0-
1963	7,569	6,248	1,321	7,569	-0-	-0-
1964	9,336	7,718	1,606	9,324	9	3
1965	11,852	9,873	1,780	11,653	87	112
1966	15,768	13,250	2,192	15,442	165	161
1967	13,577	11,557	1,773	13,330	149	98
1968	13,698	11,398	1,959	13,357	248	93
1969	12,457	10,054	2,078	12,132	214	111
1970	7,292	5,942	1,159	7,101	135	56
1971	7,466	6,287	1,043	7,330	89	47
1972	9,774	7,898	1,548	9,446	179	149
1973	13,646	10,780	2,413	13,193	247	206
1974	14,166	11,562	2,135	13,697	250	219
1975	14,056	11,439	2,116	13,555	305	196
1976	15,449	12,783	2,120	14,903	359	187
1977	16,907	14,057	2,195	16,252	428	227
1978	17,811	14,398	2,634	17,032	548	231
1979	17,048	13,286	2,843	16,129	637	282
1980	11,877	8,640	2,116	10,756	795	326
1981	9,457	6,608	1,542	8,150	918	389

Source: GAMA



U.S. General Aviation Aircraft Shipments by Year and Month

YEAR/ MONTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1962	555	578	649	587	601	556	452	436	441	676	527	639
1963	588	538	680	709	653	638	548	553	524	684	604	850
1964	725	696	735	834	836	833	745	575	614	1,102	718	923
1965	866	752	1,024	1,082	948	978	985	1,040	834	1,112	1,120	1,111
1966	1,187	1,173	1,495	1,385	1,485	1,396	1,093	1,266	1,522	1,073	1,301	1,211
1967	1,163	1,025	1,204	1,097	1,199	1,184	988	886	927	1,403	1,133	1,273
1968	1,254	1,191	1,216	1,281	1,250	1,014	998	916	1,458	1,075	1,008	985
1969	917	1,038	1,342	1,364	1,193	1,035	917	738	1,170	1,192	722	779
1970	604	617	708	737	719	643	457	505	787	520	475	505
1971	507	520	744	716	587	599	472	643	788	579	522	669
1972	590	688	879	828	857	879	694	853	870	799	894	943
1973	953	1,043	1,250	1,168	1,242	1,145	1,044	1,322	1,076	1,166	997	1,240
1974	1,139	1,141	1,213	1,432	1,131	1,013	1,041	1,226	1,221	1,243	1,232	1,134
1975	1,146	1,246	1,385	1,239	1,164	1,159	1,032	1,043	1,216	1,148	1,144	1,134
1976	1,215	1,288	1,446	1,439	1,424	1,296	924	1,227	1,328	1,306	1,269	1,267
1977	1,289	1,298	1,536	1,496	1,527	1,490	1,152	1,342	1,494	1,177	1,528	1,578
1978	1,145	1,419	1,612	1,489	1,676	1,456	1,250	1,845	1,577	1,432	1,476	1,434
1979	1,194	1,354	1,711	1,623	1,542	1,437	1,250	1,753	1,423	1,153	1,363	1,245
1980	1,286	1,168	1,058	993	877	886	802	966	1,028	1,092	892	829
1981	659	751	980	960	802	870	743	847	939	555	644	709

Source: GAMA



U.S. General Aviation Aircraft Exports

Year	Units Exported	% of Total Production	Factory Net Billings (Millions)	% of Total Dollars
1965	2,325	19.6%	\$ 61.2	19.2%
1966	2,903	18.4%	75.4	16.9%
1967	3,035	22.4%	76.5	21.3%
1968	2,803	20.5%	91.5	21.5%
1969	2,623	20.8%	107.1	16.8%
1970	2,170	29.3%	98.9	27.2%
1971	1,854	24.8%	95.6	30.5%
1972	2,254	23.1%	137.9	24.7%
1973	3,530	25.9%	230.2	27.8%
1974	4,248	30.0%	287.5	31.6%
1975	3,512	25.0%	308.1	29.8%
1976	3,539	22.9%	331.2	27.0%
1977	3,611	21.4%	354.5	23.8%
1978	3,612	20.3%	486.7	27.4%
1979	3,995	25.5%	600.9	27.9%
1980	3,555	30.0%	756.4	29.9%
1981	2,269	24.0%	749.0	25.7%

Source: GAMA



**U.S. GENERAL AVIATION
FLEET AND FLIGHT ACTIVITY**



THE FLEET BY TYPE . . .

Estimated Active General Aviation Aircraft by Type of Aircraft
(in Thousands)

As of January 1	Total	Fixed Wing						Rotorcraft			Balloons Dirigibles Giders			
		Piston		Turboprop	Turbojet	Piston	Turbine	Piston	Turbine					
		Single- Engine	Multi- Engine											
Historical*														
1975	161.0	131.5	19.7	2.1	1.6	2.3	1.3	2.5	2.8	3.1	3.6	4.0	4.8	5.1
1976	168.0	136.6	20.3	2.5	1.7	2.5	1.6	2.5	2.8	3.1	3.6	4.0	4.8	5.1
1977	178.0	144.8	21.3	2.5	1.9	2.7	1.7	2.7	2.7	2.7	2.1	2.5	2.7	3.2
1978	184.3	149.3	21.5	2.9	2.3	2.7	2.1	2.7	2.7	2.7	2.1	2.5	2.7	3.2
1979	198.8	160.7	23.2	3.1	2.5	2.8	2.5	2.8	2.8	2.8	2.5	2.5	2.7	3.2
1980	210.3	168.4	25.1	3.5	2.7	3.1	2.7	3.1	3.1	3.1	2.7	2.7	2.7	3.2
1981E	214.3	170.2	25.4	4.3	3.2	2.9	3.2	2.9	2.9	2.9	3.2	3.2	2.9	3.2
Forecast														
1982	220.4	173.9	26.6	4.8	3.3	3.0	3.5	3.0	3.0	3.0	3.5	3.5	3.0	3.5
1983	226.4	178.0	27.6	5.2	3.4	3.1	3.6	3.1	3.1	3.1	3.6	3.6	3.1	3.5
1984	233.2	182.7	28.6	5.6	3.6	3.2	3.7	3.2	3.2	3.2	3.7	3.7	3.2	3.5
1985	241.6	188.9	29.6	6.0	3.8	3.3	3.9	3.3	3.3	3.3	3.9	3.9	3.3	3.5
1986	250.3	195.2	30.7	6.4	4.0	3.5	4.0	3.5	3.5	3.5	4.0	4.0	3.5	3.5
1987	260.5	203.0	31.8	6.8	4.2	3.7	4.2	3.7	3.7	3.7	4.2	4.2	3.7	3.5
1988	271.6	211.2	33.1	7.2	4.4	3.9	4.4	3.9	3.9	3.9	4.5	4.5	3.9	3.5
1989	284.6	221.1	34.6	7.6	4.7	4.1	4.7	4.1	4.1	4.1	4.7	4.7	4.1	3.5
1990	300.3	233.0	36.4	8.0	5.1	4.4	5.1	4.4	4.4	4.4	5.0	5.0	4.4	3.5
1991	317.3	245.8	38.4	8.5	5.5	4.7	5.5	4.7	4.7	4.7	5.4	5.4	4.7	3.5
1992	334.7	259.0	40.4	9.0	5.9	5.0	5.9	5.0	5.0	5.0	5.7	5.7	5.0	3.5
1993	352.7	272.7	42.4	9.5	6.3	5.3	6.3	5.3	5.3	5.3	6.1	6.1	5.3	3.5

Source: FAA

E = Estimate. *Historical data are revised estimates resulting from sampling procedures. Detail may not add to total because of independent rounding.

An active aircraft must have a current registration and it must have been flown during the previous calendar year.

The long-range forecast in the 1982 GENERAL AVIATION STATISTICAL DATABOOK are projections of the Federal Aviation Administration (FAA), not of the General Aviation Manufacturers Association (GAMA). They are provided for information and reference.



**U.S. Active General Aviation Aircraft
by FAA Region and State (as of December 31, 1980)**

ALASKAN	6,465	PACIFIC	411
Alaska	6,465	Hawaii	385
CENTRAL	14,264	ROCKY MOUNTAIN	12,718
Iowa	4,194	Colorado	4,768
Kansas	4,190	Montana	2,269
Missouri	4,069	North Dakota	1,684
Nebraska	1,890	South Dakota	1,386
		Utah	1,466
EASTERN	24,021	Wyoming	1,143
Delaware	548	SOUTHERN	30,596
District of Columbia	59	Alabama	2,083
Maryland	2,755	Florida	11,347
New Jersey	4,137	Georgia	4,412
New York	6,278	Kentucky	1,810
Pennsylvania	6,167	Mississippi	2,119
Virginia	3,013	North Carolina	3,542
West Virginia	1,060	South Carolina	1,907
GREAT LAKES	38,443	Tennessee	2,824
Illinois	8,990	Puerto Rico	201
Indiana	4,248	SOUTHWEST	31,817
Michigan	7,243	Arkansas	2,612
Minnesota	5,287	Louisiana	3,625
Ohio	8,283	New Mexico	2,041
Wisconsin	4,389	Oklahoma	4,812
NEW ENGLAND	7,931	Texas	18,674
Connecticut	1,615	WESTERN	36,883
Maine	1,341	Arizona	4,881
Massachusetts	3,044	California	29,855
New Hampshire	1,100	Nevada	2,145
Rhode Island	358	Other U.S. Territories	73
Vermont	471		
NORTHWEST	14,576		
Idaho	2,094		
Oregon	5,967		
Washington	6,483		

Columns may not add due to independent rounding and estimation of receivers.

Source: FAA



FLIGHT HOURS BY TYPE . . .

Estimated Hours Flown in General Aviation by Type of Aircraft
(in Millions of Hours)

As of January 1	Total	Fixed Wing				Rotorcraft		Balloons Dirigibles Gliders
		Piston		Turboprop	Turbojet	Piston	Turbine	
		Single- Engine	Multi- Engine					
Historical*								
1975	31.9	22.8	5.3	1.3	.8	.7	.8	.2
1976	33.4	23.9	5.4	1.3	.9	.7	.9	.3
1977	35.3	24.8	5.9	1.5	1.1	.6	1.2	.3
1978	38.5	27.0	6.2	1.6	1.2	.8	1.4	.3
1979	42.3	29.7	6.8	1.8	1.2	.9	1.6	.3
1980	42.0	28.9	6.6	2.3	1.4	.8	1.6	.4
1981E	43.7	29.6	7.0	2.6	1.5	.8	1.8	.4

E = Estimate. *Historical data are revised estimates resulting from sampling procedures.
Detail may not add to total because of independent rounding.

Source: FAA

. . . AND PER AIRCRAFT



Active U.S. General Aviation Aircraft and Average Hours Annually Flown Per Aircraft, by Type

	Estimated Active Aircraft					Average Hours/Aircraft				
	1979	1978	1977	1976	1975	1979	1978	1977	1976	1975
TOTAL AIRCRAFT . . .	210,339	198,778	184,294	177,964	168,049	206	198	194	191	191
Piston Total	193,470	183,823	170,782	166,059	156,936	193	185	181	179	180
Single engine	168,390	160,651	149,300	144,752	136,639	180	173	167	168	168
1-3 seats	62,362	59,185	57,340	56,547	54,059	180	171	157	171	175
4+ seats	106,028	101,466	91,960	88,205	82,580	181	175	173	167	163
Multi-engine	24,850	22,950	21,482	21,307	20,297	277	265	282	253	259
1-6 seats	16,891	15,621	15,074	14,617	14,663	238	233	241	221	230
7+ seats	7,958	7,328	6,226	6,494	5,456	359	332	373	320	329
Other Piston	229	221	182	196	178	663	466	528	429	472
Turboprop Total	3,579	3,130	2,889	2,453	2,504	523	513	537	541	522
Twin Engine										
1-12 seats	2,944	2,507	2,276	1,889	1,928	426	383	392	416	408
13+ seats	538	566	549	507	512	1,064	1,099	1,138	1,028	945
Other Turboprop	96	56	64	57	64	466	429	500	351	563
Turbojet Total	2,653	2,480	2,277	1,881	1,743	475	482	572	484	474
Twin Engine	2,309	2,115	1,959	1,692	1,547	487	481	532	499	488
Other	343	364	318	189	196	392	481	384	355	362
Rotorcraft Total	5,864	5,315	4,725	4,425	4,054	436	419	395	385	366
Piston	3,123	2,822	2,658	2,701	2,498	286	286	229	279	275
Turbine	2,740	2,492	2,067	1,724	1,556	608	570	609	551	512
Other	4,770	4,028	3,616	3,146	2,812	74	84	68	86	87

Source: FAA



PILOTS



PILOTS BY CERTIFICATE AND RATING . . .

**Active U.S. Pilot Certificates Held
(as of December 31, year indicated)**

Category	1970	1971	1972	1973 ^a	1974	1975	1976	1977	1978	1979	1980
Pilot—total	732,729	741,009	750,869	714,607	733,728	728,187	744,246	783,932	798,833	814,667	827,071
Student	195,861	186,428	181,477	181,905	180,795	176,978	188,801	203,510	204,874	210,180	199,833
Private	303,779	312,656	321,413	298,921	305,848	305,863	309,005	327,424	337,644	343,276	357,479
Commercial	186,821	192,409	196,228	182,444	192,425	189,342	187,801	188,763	185,833	182,097	183,442
Airline transport	34,430	35,949	37,714	38,139	41,002	42,592	45,072	50,149	55,881	63,652	69,569
Helicopter (only)	6,677	7,992	7,987	5,968	5,647	4,932	4,804	4,819	4,874	5,218	6,030
Glider (only) ¹	3,114	3,571	4,080	4,288	4,824	5,348	5,789	6,208	6,541	6,796	7,039
Lighter-than-air ¹	2,047	2,004	1,970	2,942	3,187	3,132	2,974	3,059	3,186	3,448	3,679
Nonpilot—total	289,681	307,057	315,348	304,747	314,394	323,934	334,681	348,584	362,350	377,213	393,486
Mechanic ¹	184,647	193,295	201,700	193,337	198,863	205,436	212,303	220,768	228,743	237,611	250,157
Parachute rigger ¹	6,424	6,839	7,287	6,941	7,900	8,327	8,718	8,994	9,200	9,831	9,547
Ground instructor ¹	44,176	46,145	48,450	46,827	49,249	51,365	53,464	55,717	57,738	59,680	61,550
Dispatcher ¹	5,293	5,480	5,637	5,527	5,576	5,741	5,838	5,972	6,161	6,446	6,799
Control tower operator	21,032	26,450	23,353	23,250	23,342	23,956	24,584	25,107	25,388	25,232	25,130
Flight navigator	2,950	3,052	2,957	2,636	2,509	2,321	2,214	2,155	2,092	1,994	1,936
Flight engineer	25,159	25,796	25,964	26,229	26,955	26,788	27,560	29,871	33,028	36,869	38,367
Flight instructor certificates ..	37,882	37,760	37,858	36,795	42,418	44,777	46,236	49,362	52,201	54,398	60,440
Instrument Ratings ²	169,848	179,261	187,909	185,969	199,323	203,954	211,364	226,334	236,312	247,096	260,461

Source: FAA

¹ Numbers represent all certificates on record. No medical examination required.

² Special ratings shown on pilot certificates, i.e., do not indicate additional certificates.

³ The decrease in the number of airmen resulted from a purging of the airmen certification files. During this process, approximately 26,000 duplicates or faulty records were eliminated.

^a Revised.



**Active U.S. Pilots and Flight Instructors
by FAA Region and State (as of December 31, 1980)**

FAA Region and State	Total Pilots	Student	Private	Commercial	Airline Transport	Miscellaneous ²	Flight Instructor ³
Total	827,071	199,833	357,479	183,442	69,569	16,748	60,440
United States—total	810,581	195,924	354,285	178,217	65,795	16,360	59,692
New England—total	35,639	9,289	14,514	7,266	3,789	781	2,485
Maine	3,982	1,057	1,753	915	191	66	243
New Hampshire	4,378	952	1,553	1,024	751	98	297
Rhode Island	1,812	518	790	374	103	27	126
Massachusetts	13,656	3,950	5,962	2,495	923	326	904
Connecticut	10,112	2,392	3,694	2,089	1,713	224	785
Vermont	1,699	420	762	369	108	40	130
Eastern—total	103,506	26,398	43,256	23,129	8,095	2,628	8,235
New York	31,374	8,673	13,351	6,428	1,951	971	2,409
Pennsylvania	23,018	6,055	10,093	4,622	1,717	531	1,961
Virginia	16,127	3,471	5,862	4,962	1,465	367	1,231
Maryland	10,318	2,487	4,567	2,354	678	232	747
West Virginia	3,130	919	1,353	635	175	48	230
Delaware	1,873	392	830	431	191	29	177
New Jersey	16,863	4,192	6,868	3,504	1,887	412	1,434
District of Columbia	803	209	332	193	31	38	461
Great Lakes—total	139,193	34,505	68,031	26,096	8,314	2,247	10,048
Illinois	34,763	8,569	16,136	6,601	2,813	644	2,641
Indiana	15,430	3,913	7,755	2,909	637	216	1,126
Minnesota	19,098	4,324	9,387	3,757	1,422	208	1,208
Michigan	25,594	6,489	13,009	4,457	1,199	440	1,748
Ohio	29,470	7,397	14,200	5,787	1,519	567	2,343
Wisconsin	14,838	3,813	7,544	2,585	724	172	982
Central—total	50,858	11,464	25,866	10,088	2,760	680	3,348
Kansas	14,675	3,142	7,533	2,971	820	209	909
Iowa	12,101	2,821	6,761	2,044	331	144	717
Missouri	15,968	3,638	7,314	3,388	1,363	265	1,226
Nebraska	8,114	1,863	4,258	1,685	246	62	496
Southern—total	126,243	30,631	49,865	30,956	12,181	2,610	9,367
North Carolina	13,977	3,569	6,111	3,116	923	258	1,002
South Carolina	7,193	1,815	2,905	1,888	471	114	555
Georgia	18,082	4,142	6,393	4,395	2,771	381	1,239
Florida	50,983	11,813	19,693	12,875	5,760	842	3,743
Mississippi	6,253	1,611	2,459	1,822	282	79	449
Alabama	10,608	2,629	4,191	2,911	443	434	961
Tennessee	12,660	3,232	5,215	2,658	1,248	307	963
Kentucky	6,487	1,820	2,898	1,291	283	195	455
Southwest—total	104,454	24,726	42,291	25,641	9,767	2,029	8,235
Louisiana	11,454	2,904	4,276	3,189	753	332	871
Oklahoma	15,460	3,716	7,291	3,447	797	209	1,118
Texas	63,289	14,652	24,564	15,380	7,488	1,205	5,193
New Mexico	6,995	1,707	3,039	1,687	353	209	522
Arkansas	7,256	1,747	3,121	1,938	376	74	531
Rocky Mountain—total	43,455	11,030	19,017	9,133	3,272	1,003	3,110
Colorado	20,215	5,106	7,742	4,237	2,388	742	1,577
Wyoming	3,228	877	1,534	648	137	32	226
Utah	6,376	1,668	2,969	1,269	359	111	424
Montana	5,778	1,368	2,981	1,169	214	46	377
North Dakota	4,048	1,017	1,918	1,010	78	25	273
South Dakota	3,810	994	1,873	800	96	47	233
Western—total	144,848	33,232	63,809	31,643	12,896	3,268	10,269
California	121,305	27,672	53,907	26,224	10,766	2,736	8,470
Arizona	17,010	4,045	7,347	3,965	1,223	430	1,261
Nevada	6,533	1,515	2,555	1,454	907	102	538
Northwest—total	47,520	11,365	21,611	10,391	3,341	812	3,515
Washington	26,006	5,927	10,871	6,181	2,503	524	1,999
Oregon	15,402	3,957	7,795	2,892	549	209	1,055
Idaho	6,112	1,481	2,945	1,318	289	79	461
Alaskan Region—total	10,917	2,379	4,910	2,731	777	120	766
Pacific Region—total	3,948	905	1,115	1,143	603	182	314
Outside U.S.—total	16,490	3,909	3,194	5,225	3,774	388	748

Estimated: Data is based on a 27-month criteria.

Source: FAA

NOTE: Puerto Rico and Virgin Islands are included in Outside U.S. total.

¹ Includes Outside U.S.

² Includes helicopter, glider, and lighter-than-air.

³ Not included in total.



STUDENT STARTS—

U.S. Student Pilot Certificates Issued by Month and Year

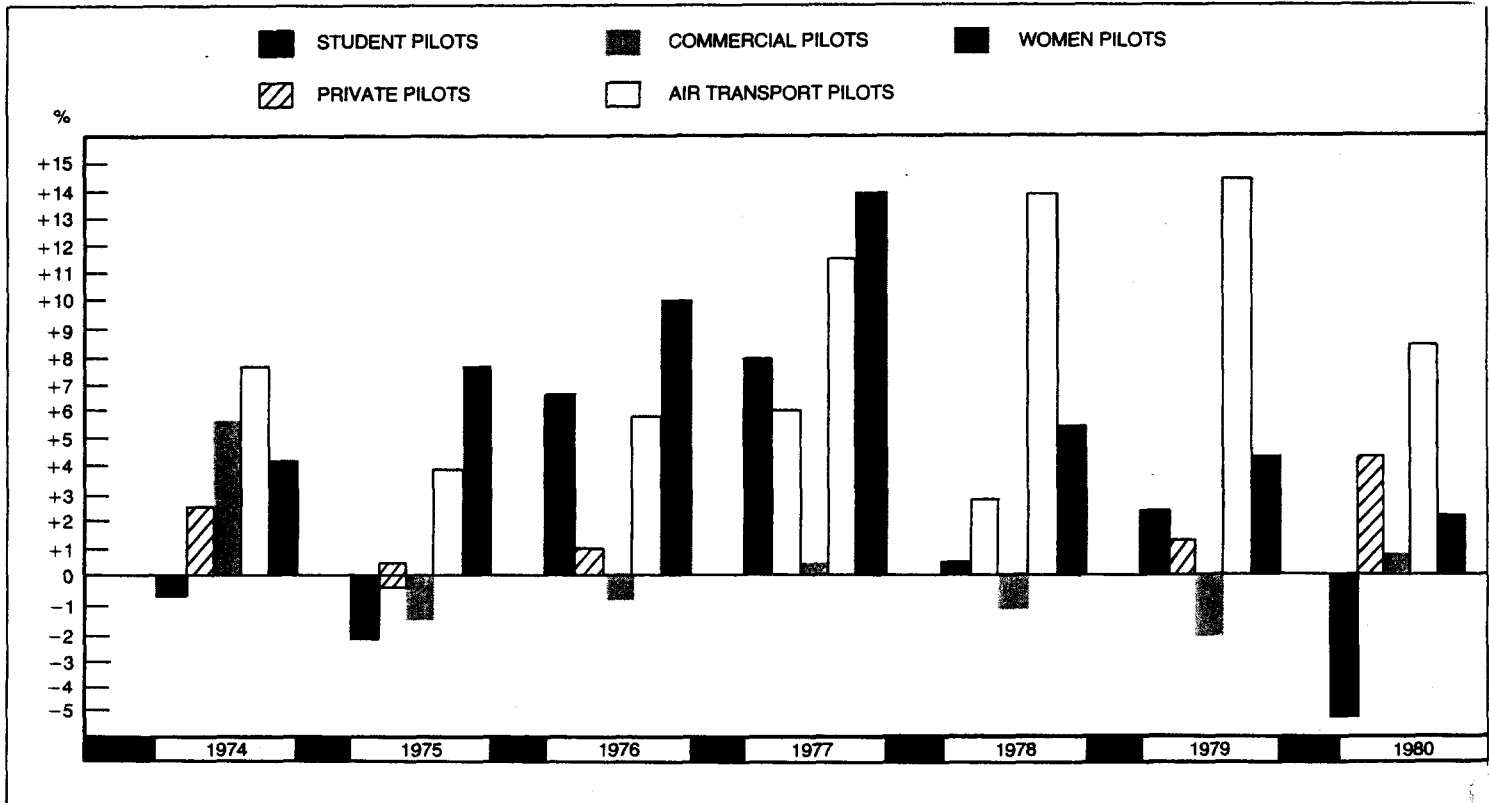
Month	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Total	126,871	128,004	121,543	131,384	113,997	127,424	129,280	138,816	137,032	135,956	102,301	118,206
January	6,856	8,131	7,515	7,608	8,200	9,794	11,853	10,247	7,385	12,926	10,462	9,179
February	7,706	7,458	7,936	8,622	6,195	7,506	6,396	8,010	8,253	10,585	7,835	8,568
March	9,871	10,314	10,176	9,963	7,661	9,445	10,921	11,921	11,234	9,525	7,872	9,718
April	10,298	9,406	10,445	10,513	7,960	8,654	10,835	9,871	10,646	9,968	7,775	7,036
May	9,341	10,490	10,495	10,712	10,013	10,204	10,749	10,286	11,032	9,919	8,510	8,387
June	11,799	11,451	11,174	12,242	10,970	9,865	10,322	11,573	11,490	9,308	8,577	8,885
July	13,966	13,146	10,366	13,473	10,261	12,339	12,300	11,372	10,544	13,266	6,941	8,387
August	14,290	13,785	15,007	14,643	12,431	12,471	12,930	15,262	13,839	16,920	10,590	8,363
September	12,114	12,314	10,850	11,568	10,320	13,587	12,320	13,987	11,904	12,051	9,936	10,713
October	13,095	12,338	10,962	11,715	10,863	11,979	8,864	11,678	15,548	11,926	9,186	14,327
November	9,297	10,853	10,298	12,385	9,770	11,681	12,292	15,114	13,096	12,928	7,052	12,668
December	8,238	8,318	6,319	7,940	9,353	9,899	9,498	9,495	12,061	6,634	7,565	11,975

Source: FAA



PILOT POPULATION CHANGES—

Percentage Changes in U.S. Active Pilot Certificates Held



Source: FAA

INSTRUMENT-RATED PILOTS



Estimated Total and Instrument Rated Pilots: December 31, 1976-80

Calendar Year	Total Pilots ¹	Instrument Rated Pilots	
		Number	Percent of Total
1980	627,238	260,461	42
1979	604,487	247,096	41
1978	593,959	236,312	40
1977	580,422	226,334	39
1976	555,625	211,364	38

Source: FAA

Estimated: Data is based on a 27-month criteria. Past years are based on a 25-month criteria.¹ Excludes student pilots.

Estimated Instrument Ratings Held, By Class of Certificates: December 31, 1979 and 1980

Class of Certificates	1979	1980	Percent Change 1979-1980
Total—all groups	247,096	260,461	+ 5
Private pilots—total	35,528	39,347	+11
Private airplane (only)	32,935	36,529	+11
Private airplane, private glider	798	849	+ 6
Private airplane, commercial glider	68	68	—
Private airplane, private helicopter	225	242	+ 8
Private airplane, private glider, private helicopter	8	17	+112
Private airplane, commercial helicopter	1,471	1,617	+10
Private airplane, private gyroplane	2	2	—
Private airplane, private glider, commercial helicopter	14	14	—
Private airplane, commercial glider, commercial helicopter	6	8	+33
Private airplane, other	1	1	—
Commercial pilots—total	144,838	147,741	+ 2
Commercial airplane (only)	123,205	125,854	+ 2
Commercial airplane, private glider	1,760	1,883	+ 7
Commercial airplane, commercial glider	3,342	3,377	+ 1
Commercial airplane, private helicopter	129	140	+ 8
Commercial airplane, commercial helicopter	15,638	15,734	+ 1
Commercial airplane, private glider, commercial helicopter	144	138	- 4
Commercial airplane, commercial glider, commercial helicopter	549	549	—
Commercial airplane, commercial gyroplane	19	18	- 5
Commercial airplane, commercial helicopter, commercial gyroplane	27	22	-19
Commercial airplane, commercial gyroplane, commercial glider	1	1	—
Commercial airplane, commercial glider, private helicopter	10	11	+10
Commercial airplane, commercial gyroplane, commercial helicopter, commercial glider	14	14	—
Airline transport pilots—total	63,652	69,569	+ 9
Airline transport airplane	62,976	68,760	+ 9
Airline transport airplane, airline transport helicopter	676	809	+20
Rotorcraft pilots—total	3,078	3,804	+24
Commercial helicopter	3,032	3,759	+24
Airline transport helicopter	30	28	- 7
Rotorcraft other	16	17	+ 6

Source: FAA

Estimated: Data is based on a 27-month criteria for 1980. Pass year is based on a 25-month criteria.



**Women Actively Engaged in U.S. Aviation
(as of December 31, year indicated)**

Category of Certificates Held	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Pilot—total	29,472	31,216	33,001	34,356	36,943	37,934	41,643	47,294	49,874	51,733	52,902
Student	15,787	16,417	17,053	18,593	19,298	19,600	22,254	25,705	26,354	26,714	26,006
Private	11,409	12,332	13,391	13,232	14,465	14,952	15,838	17,702	19,267	20,275	21,554
Commercial	1,897	2,032	2,196	2,083	2,596	2,733	2,857	3,090	3,306	3,618	3,993
Airline transport	79	88	101	95	116	137	160	193	270	361	480
Helicopter (only)	6	9	10	7	5	11	17	18	17	27	55
Glider (only) ¹	141	169	201	216	271	301	352	391	433	461	496
Lighter-than-air ¹	153	169	49	130	192	200	165	195	227	277	318
Nonpilot—total	3,078	3,413	3,594	3,074	3,471	3,809	4,252	4,716	5,135	5,600	6,111
Mechanic ¹	302	322	349	284	315	360	422	505	600	695	890
Parachute rigger ¹	461	470	483	336	495	504	516	535	544	553	562
Ground instructor ¹	2,006	2,081	2,166	1,960	2,139	2,249	2,369	2,525	2,682	2,852	3,015
Dispatcher ¹	38	39	40	39	42	50	55	65	76	105	141
Control tower operator	271	501	556	453	473	638	874	1,044	1,151	1,250	1,332
Flight engineer	0	0	0	2	7	8	16	42	82	145	171
Flight instructor	589	646	664	618	834	945	1,054	1,238	1,458	1,699	2,079

Source: FAA

NOTE: Instrument ratings and Flight navigator not reported.

^{*} Glider and lighter-than-air pilots are not required to have a medical examination; however, the totals above represent pilots who received a medical examination.

¹ No medical examination required.



**AIRPORTS AND
AERONAUTICAL FACILITIES**



AIRPORTS BY GEOGRAPHIC AREA—

U.S. Civil and Military Joint-Use Airports, Heliports, and Seaplane Landing Facilities (on Record as of December 31, 1980)

FAA Region and State	Total Facilities			By ownership		Paved airports		Unpaved airports	
	Total Facilities	Public	Private	Lighted	Not Lighted	Lighted	Not Lighted	Lighted	Not Lighted
Total	15,161	4,814	10,347	3,778	2,055	960	8,368		
United States—total*	15,107	4,785	10,322	3,762	2,034	959	8,352		
Alaskan—total	731	515	216	44	16	62	609		
Central—total	1,340	456	884	385	79	139	737		
Iowa	267	118	149	97	15	56	99		
Kansas	377	128	249	101	16	37	223		
Missouri	377	116	261	115	33	24	205		
Nebraska	319	94	225	72	15	22	210		
Eastern—total	1,971	307	1,664	408	310	123	1,130		
Delaware	36	3	33	6	6	10	14		
District of Columbia	18	8	10	6	8	—	4		
Maryland	150	23	127	37	28	10	75		
New Jersey	265	31	234	49	53	14	149		
New York	471	73	398	98	69	35	269		
Pennsylvania	694	78	616	110	97	40	447		
Virginia	260	63	197	72	33	11	144		
West Virginia	77	28	49	30	16	3	28		
Great Lakes—total	3,253	692	2,561	641	224	286	2,102		
Illinois	942	99	843	107	65	67	703		
Indiana	347	74	273	85	24	36	202		
Michigan	419	134	285	119	24	47	229		
Minnesota	491	150	341	96	11	41	343		
Ohio	652	133	519	136	78	62	376		
Wisconsin	402	102	300	98	22	33	249		
New England—total	542	142	400	130	106	10	296		
Connecticut	108	16	92	27	32	1	48		
Maine	162	48	114	27	14	4	117		
Massachusetts	138	34	104	41	39	3	55		
New Hampshire	52	16	36	17	13	2	20		
Rhode Island	18	8	10	8	3	—	7		
Vermont	64	20	44	10	5	—	49		
Northwest—total	891	338	553	197	148	57	489		
Idaho	197	127	70	38	22	4	133		
Oregon	323	94	229	65	56	18	184		
Washington	371	117	254	94	70	35	172		

(Continued from page 20)

FAA Region and State	Total facilities	By ownership		Paved airports		Unpaved airports	
		Public	Private	Lighted	Not Lighted	Lighted	Not Lighted
Pacific-Asia—total	65	30	35	15	32	2	16
Hawaii	50	17	33	11	27	1	11
South Pacific**	15	13	2	4	5	1	5
Rocky Mountain—total	1,090	479	611	297	117	92	584
Colorado	307	88	219	69	53	18	167
Montana	185	118	67	65	13	16	91
North Dakota	229	98	131	54	9	27	139
South Dakota	159	73	86	40	5	29	85
Utah	104	58	46	41	21	—	42
Wyoming	106	44	62	28	16	2	60
Southern—total	1,851	737	1,114	671	265	99	816
Alabama	163	100	63	92	32	4	35
Florida	485	132	353	124	69	28	264
Georgia	288	123	165	110	34	11	133
Kentucky	128	62	66	51	29	7	41
Mississippi	171	78	93	68	21	9	73
North Carolina	285	85	200	86	28	22	149
Puerto Rico	32	12	20	10	16	—	6
South Carolina	132	63	69	53	10	14	55
Tennessee	160	78	82	75	26	4	55
Virgin Islands	7	4	3	2	—	—	5
Southwest—total	2,263	666	1,597	655	399	65	1,144
Arkansas	156	77	79	69	16	6	65
Louisiana	289	76	213	74	58	6	151
New Mexico	149	64	85	46	24	1	78
Oklahoma	294	132	162	117	32	12	133
Texas	1,375	317	1,058	349	269	40	717
Westerrn—total	1,164	452	712	335	359	25	445
Arizona	216	94	122	61	42	8	105
California	825	297	528	253	290	14	268
Nevada	123	61	62	21	27	3	72

Source: FAA

* Excludes Puerto Rico, Virgin Islands, and South Pacific.

** Excludes Puerto Rico, Virgin Islands, and South Pacific.
 ** American Samoa, Guam, and Trust Territories.



AERONAUTICAL FACILITIES—

FAA Air Route Facilities and Services: 1970 through 1979

December 31	VOR VORTAC	Nondirectional Radio Beacons	Air Route Traffic Control Centers	Airport Traffic Control Towers	Combined Station/ Towers	Flight Service Stations	Inter- national Flight Service Stations	Instrument Landing Systems	Airport Surveil- ance Radar
1970	964	640	27	288	46	332	8	310	120
1971	980	669	27	347	44	331	8	337	122
1972	991	706	27	355	42	324	7	403	125
1973	995	739	27	403	29	315	7	467	142
1974	1,000	793	27	417	21	320	7	490	156
1975	1,011	848	26	487	21	321	7	580	177
1976	1,020	920	25	488	16	321	7	640	175
1977	1,021 ¹	959 ²	25 ³	495 ⁴	7	319	7	678 ⁵	182 ⁶
1978 ^a	1,020 ¹	988 ²	25 ³	494 ⁴	7	319	6	698 ⁵	185 ⁶
1979	1,028	1,015	25	499	5	318	6	753	192

Source: FAA

¹Includes 58 nonfederal and 44 military.

²Includes 632 nonfederal and 59 military.

³Includes 2 military combined center/radar approach control facilities (CERAP).

⁴Includes 30 nonfederal and 43 military.

⁵Includes 7 Landing Directional Aid (LDA), 53 nonfederal, and 6 military.

⁶Includes 29 military.

^aRevised



**FORECASTS AND
OTHER INFORMATION**



AIRCRAFT FORECAST —

Forecast Active General Aviation Aircraft by Type of Aircraft
(in Thousands)

As of January 1	Total	Fixed Wing					Rotorcraft			Balloons Dirigibles Glanders
		Piston		Turboprop	Turbojet	Piston	Turbine			
		Single- Engine	Multi- Engine							
Forecast										
1982	220.4	173.9	26.6	4.8	3.3	3.0	3.5	5.3		
1983	226.4	178.0	27.6	5.2	3.4	3.1	3.6	5.5		
1984	233.2	182.7	28.6	5.6	3.6	3.2	3.7	5.8		
1985	241.6	188.9	29.6	6.0	3.8	3.3	3.9	6.1		
1986	250.3	195.2	30.7	6.4	4.0	3.5	4.0	6.5		
1987	260.5	203.0	31.8	6.8	4.2	3.7	4.2	6.8		
1988	271.6	211.2	33.1	7.2	4.4	3.9	4.5	7.3		
1989	284.6	221.1	34.6	7.6	4.7	4.1	4.7	7.8		
1990	300.3	233.0	36.4	8.0	5.1	4.4	5.0	8.4		
1991	317.3	245.8	38.4	8.5	5.5	4.7	5.4	9.0		
1992	334.7	259.0	40.4	9.0	5.9	5.0	5.7	9.7		
1993	352.7	272.7	42.4	9.5	6.3	5.3	6.1	10.4		

Source: FAA

Detail may not add to total because of independent rounding.
The long-range forecasts in the 1982 GENERAL AVIATION STATISTICAL DATABOOK are projections of the Federal Aviation Administration (FAA), not of the General Aviation Manufacturers Association (GAMA). They are provided for information and reference.



Active Pilots by Type of Certificate
(thousands)

As of January 1	Total	Students	Private	Commercial	Airline Transport	Helicopter	Glider	Other	Instrument Rated ¹
Historical*									
1975	733.7	180.8	305.8	192.4	41.0	5.6	4.8	3.2	199.3
1976	728.2	177.0	305.9	189.3	42.6	4.9	5.3	3.1	204.0
1977	744.2	188.8	309.0	187.8	45.1	4.8	5.8	3.0	211.4
1978	783.9	203.5	327.4	188.8	50.1	4.8	6.2	3.1	226.3
1979	798.8	204.9	337.6	185.8	55.9	4.9	6.5	3.2	236.3
1980	814.7	210.2	343.3	182.1	63.7	5.2	6.8	3.4	247.1
1981	827.0	199.8	357.5	183.4	69.6	6.0	7.0	3.7	260.5
Forecast									
1982	834.3	200.0	358.0	184.4	74.1	6.6	7.4	3.8	272.9
1983	853.4	208.7	363.0	184.1	78.6	7.1	7.9	4.0	285.3
1984	869.6	215.6	368.0	184.0	82.1	7.5	8.3	4.1	297.5
1985	891.0	226.1	373.2	183.2	87.7	7.8	8.7	4.3	309.5
1986	916.4	236.8	383.1	182.4	92.2	8.2	9.2	4.5	321.6
1987	943.5	247.2	394.7	182.2	96.7	8.5	9.6	4.6	333.6
1988	977.8	259.1	410.6	183.3	101.2	8.8	10.0	4.8	345.6
1989	1,015.2	271.3	428.2	185.4	105.8	9.1	10.4	5.0	357.6
1990	1,050.6	280.8	445.4	188.7	110.3	9.4	10.8	5.2	369.6
1991	1,067.1	290.7	462.5	192.9	114.8	9.7	11.2	5.3	381.5
1992	1,124.6	300.7	479.6	197.9	119.3	10.0	11.7	5.4	393.5
1993	1,163.7	311.2	497.1	203.2	124.3	10.3	12.0	5.6	405.5

Source: FAA

Detail may not add to total because of rounding.
¹Should not be added to other categories in deriving total.



FLIGHT HOURS FORECAST—

Estimated Hours Flown in General Aviation by Type of Aircraft
(millions)

Fiscal Year	Total	Fixed Wing				Rotorcraft		Balloons Dirigibles Glders
		Piston		Turboprop	Turbojet	Piston	Turbine	
		Single-Engine	Multi-Engine					
Historical*								
1975	31.9	22.8	5.3	1.3	.8	.7	.8	.2
1976	33.4	23.9	5.4	1.3	.9	.7	.9	.3
1977	35.3	24.8	5.9	1.5	1.1	.6	1.2	.3
1978	38.5	27.0	6.2	1.6	1.2	.8	1.4	.3
1979	42.3	29.7	6.8	1.8	1.2	.9	1.6	.3
1980	42.0	28.9	6.6	2.3	1.4	.8	1.6	.4
1981E	43.7	29.6	7.0	2.6	1.5	.8	1.8	.4
Forecast								
1982	45.6	30.6	7.4	2.8	1.6	.8	2.0	.4
1983	47.1	31.5	7.6	3.0	1.7	.9	2.0	.4
1984	48.7	32.5	7.8	3.2	1.7	.9	2.2	.4
1985	50.6	33.7	8.1	3.4	1.8	.9	2.2	.5
1986	52.7	35.0	8.4	3.6	1.9	1.0	2.3	.5
1987	55.0	36.5	8.7	3.8	2.0	1.0	2.5	.5
1988	57.0	38.3	9.1	4.0	2.1	1.0	2.6	.6
1989	61.0	40.4	9.6	4.2	2.3	1.1	2.8	.6
1990	64.5	42.6	10.2	4.4	2.5	1.2	3.0	.6
1991	68.2	45.1	10.7	4.7	2.6	1.2	3.2	.7
1992	71.8	47.5	11.2	4.9	2.8	1.3	3.4	.7
1993	75.2	49.8	11.7	5.2	2.9	1.3	3.6	.7

E—Estimate

Prior to 1977, the fiscal year ended on June 30. Detail may not add to total because of independent rounding.

*Source: FAA



FUEL USE FORECAST—

Estimated Fuel Consumed by General Aviation by Type of Aircraft
(millions of gallons)

Fiscal Year	Total	Fixed Wing				Rotorcraft		Other
		Piston		Turboprop	Turbojet	Piston	Turbine	
		Single-Engine	Multi-Engine					
Historical*								
1975	945.4	216.0	185.8	153.0	351.5	9.6	28.9	.6
1976	1,013.2	230.0	191.5	153.0	395.5	9.8	32.5	.9
1977	1,159.2	236.0	209.8	176.6	483.3	9.2	43.3	1.0
1978	1,232.4	251.0	211.4	188.3	517.8	12.3	50.6	1.0
1979	1,322.8	282.2	238.0	207.0	522.0	14.2	58.4	1.0
1980	1,450.8	274.6	231.0	264.0	609.0	12.6	58.4	1.2
1981E	1,557.2	281.2	245.0	299.0	652.5	12.6	65.7	1.2
Forecast								
1982	1,654.5	290.7	259.0	322.0	696.0	12.6	73.0	1.2
1983	1,738.2	299.3	266.0	345.0	739.5	14.2	73.0	1.2
1984	1,785.0	308.8	273.0	368.0	739.5	14.2	80.3	1.2
1985	1,873.5	320.2	283.5	391.0	783.0	14.2	80.3	1.5
1986	1,968.3	332.5	294.0	414.0	826.5	15.8	84.0	1.5
1987	2,066.9	346.8	304.5	437.0	870.0	15.8	91.3	1.5
1988	2,168.4	363.9	318.5	460.0	913.5	15.8	94.9	1.8
1989	2,324.7	383.8	336.0	483.0	1,000.5	17.4	102.2	1.8
1990	2,485.5	404.7	357.0	506.0	1,087.5	19.0	109.5	1.8
1991	2,612.4	428.5	374.5	540.5	1,131.0	19.0	116.8	2.1
1992	2,771.5	451.3	392.0	563.5	1,218.0	20.5	124.1	2.1
1993	2,896.1	473.1	409.5	598.0	1,261.5	20.5	131.4	2.1

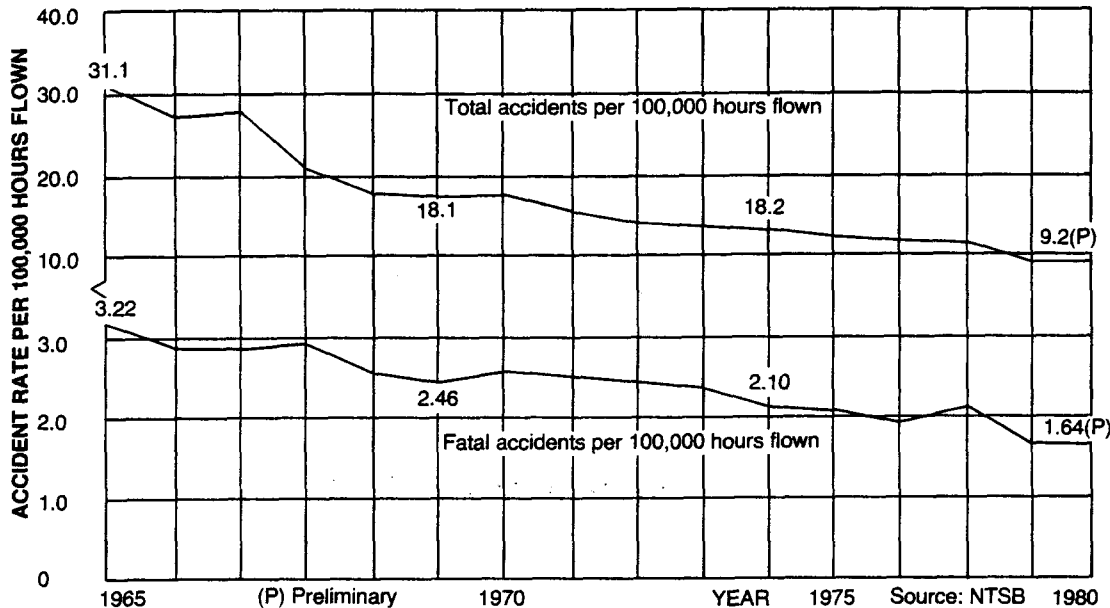
Prior to 1977, the fiscal year ended on June 30.

*Source: FAA AVP Estimates

HISTORICAL SAFETY RECORD



Graph of U. S. General Aviation Accidents, Fatalities and Rates



AIRCRAFT FUEL CONSUMPTION



General Aviation Fuel Consumed by Type of Aircraft - CY 1979

Aircraft Type	Mean Rate gph	Estimated Fuel Use (mil gal)
Fixed Wing		
Piston		
1 engine 1-3 seats	8.34	93.20
1 engine 4+ seats	10.92	208.66
Total 1 engine	9.97	301.85
2 engines 1-6 seats	26.10	104.55
2 engines 7+ seats	37.94	108.32
Total 2 engines	31.03	212.87
Other Piston	225.95	34.30
Total Piston	14.72	549.03
Turboprop		
2 engines 1-12 seats	75.29	94.43
2 engines 13+ seats	161.30	92.33
Total 2 engines	102.24	186.76
Other Turboprop	149.29	6.67
Total Turboprop	103.36	193.43
Turbojet		
2 engines	299.53	336.88
Other	1,058.40	142.04
Total Turbojet	380.43	478.92
Total Fixed Wing	30.21	1,221.37
Rotorcraft		
Piston	22.84	20.36
Turbine	37.98	63.19
Total Rotorcraft	32.70	83.55
Other	2.67	0.94
Total Aircraft	30.12	1,305.86
Total Jet Fuel	153.43	735.53
Total Aviation Gasoline	14.80	570.33

Source: FAA



General Aviation Manufacturers Association

The General Aviation Manufacturers Association (GAMA)—a national trade association headquartered in Washington, D.C. represents 35 U.S. manufacturers of general aviation aircraft, engines, avionics, and related items.

Aero Products Research, Inc.
11201 Hindry Avenue
Los Angeles, CA 90045
(213) 641-7242

Aeroquip Corporation
Aeroquip Aerospace Division
300 South East Avenue
Jackson, MI 49203
(517) 787-8121

AVCO Corporation
Lycoming Stratford Division
550 South Main Street
Stratford, CT 06497
(203) 378-8211

AVCO Corporation
Lycoming Williamsport Division
652 Oliver Street
Williamsport, PA 17701
(717) 323-6181

Aviation Simulation Technology
Hanscom Field
Bedford, MA 01730
(617) 274-6600

Beech Aircraft Corporation
9709 East Central
Wichita, KS 67201
(316) 681-7111

The Bendix Corporation
Aerospace-Electronics Group
1000 Wilson Blvd.
Arlington, VA 22209
(703) 276-2030

Cessna Aircraft Company
P.O. Box 1521
Wichita, KS 67201
(316) 685-9111

Champion Spark Plug Company
P.O. Box 910
Toledo, OH 43601
(419) 535-2461

Collins Avionics
Rockwell International
Cedar Rapids, IA 52406
(319) 395-1000

Dukes, Incorporated
9060 Winnetka Avenue
Northridge, CA 91342
(213) 998-9811

EDO Corporation
Avionics Division
Box 610
Municipal Airport
Mineral Wells, TX 76067
(817) 325-2517

Elano Corporation
2455 Dayton-Xenia Road
Xenia, OH 45385
(513) 426-0621

Fairchild Swearingen Aviation
Corporation
Box 32486
San Antonio, TX 78216
(512) 824-9421

FlightSafety International, Inc.
Marine Air Terminal
LaGuardia Airport
Flushing, NY 11371
(212) 476-5700

Flite-Tronics Company, Inc.
2525 N. Naomi Street
Burbank, CA 91504
(213) 841-3210

The Garrett Corporation
9851 Sepulveda Boulevard
P.O. Box 92248
Los Angeles, CA 90009
(213) 776-1010

B.F. Goodrich Company
Transportation Products Division
Engineered Products Group
500 South Main Street
Akron, OH 44318
(216) 374-2000

Goodyear Aerospace Corporation
1210 Massillon Road
Akron, OH 44315
(216) 796-2121

Gulfstream American Corporation
P.O. Box 2206
Savannah, GA 31402
(912) 964-3000

HTL Industries, Inc.
101 East Wheeler Avenue
Arcadia, CA 91006
(213) 574-7880

Jeppesen Sanderson;
Incorporated
55 Inverness Drive East
Englewood, CO 80112
(303) 779-5757

King Radio Corporation
400 North Rogers Road
Olathe, KS 66061
(913) 782-0400

McCreary Tire & Rubber
Company
1600 Washington Street
Indiana, PA 15701
(412) 357-6600

Mooney Aircraft Corporation
P.O. Box 72
Louis Schreiner Field
Kerrville, TX 78028
(512) 896-6000

Oberdorfer Foundries, Inc.
P.O. Box 1125
Syracuse, NY 13201
(315) 437-0361

Pacific Scientific Company
Aircraft Products Division
1346 S. State College Boulevard
Anaheim, CA 92803
(714) 774-5217

Parker Hannifin Corporation
Airborne Division
17325 Euclid Avenue
Cleveland, OH 44112
(216) 323-4676

Piper Aircraft Corporation
Lock Haven, PA 17745
(717) 748-6711

Rockwell International
Sabreliner Division
6161 Aviation Drive
St. Louis, MO 63134
(314) 731-2260

Slick Electro, Inc.
530 Blackhawk Park Avenue
Rockford, IL 61101
(815) 965-7704

Sperry Flight Systems
P.O. Box 21111
Phoenix, AZ 85036
(602) 869-2311

Teledyne Continental Motors
Aircraft Products Division
P.O. Box 90
Mobile, AL 36601
(205) 4x8-3411

TRW Hartzell Propeller, Inc.
Box 919
350 Washington Avenue
Piqua, OH 45356
(513) 773-7411

United Technologies Corporation
Pratt & Whitney Aircraft of
Canada Division
1000 Marie Victorian Blvd.
Box 10
Longueuil, PQ
Canada, J4K 4X9
(514) 677-9411

INDEX

- Accident rates, 27
- Aeronautical facilities, 22
- Aircraft, 10, 11, 24
- Aircraft types
 - flight hours in, 12
 - fuel consumed in, 26
 - fuel consumption of, 27
 - shipments of, 6
- Airport Surveillance Radars (ASRs), number of, 22
- Airports, 20-21
- Air Route Traffic Control Centers (ARTCCs), 22
- Air Traffic Control facilities, 22
- Air Transport Pilot (certificates), 14, 15, 16, 17, 18, 25
- Aviation gasoline (Avgas)
 - consumption of, 27

- Billings, 4, 5, 8

- Centers (number of), 22
- Certificated Flight Instructors, 14, 15
- Certificates (airman), 14, 15, 16, 17, 18
- Combined Station/Towers (CSTs), number of, 22
- Commercial (pilot certificates), 14, 15, 16, 17, 18, 25
- Companies (number of) reporting aircraft shipments, 4
- Control towers, number of, 22
- Control tower operators, 14, 18

- Dispatchers, 14, 18

- Exports, aircraft, 8

- FAA Regions, statistics by
 - fleet size, 11
 - flight instructors, 15
 - pilots, 15
- Fleet size, 10, 11, 12
- Flight Engineers, 14, 18
- Flight hours, 12, 26
- Flight Service Stations, number of, 22
- Forecasts, 24, 25, 26
- Fuel consumed, 26, 27
- Fuel consumption, 26, 27

- GAMA member companies, 28
- Glider pilots, 14, 18, 25
- Ground Instructors, 14, 18

- Helicopters, 9, 12, 24, 26, 27
- Helicopter pilots, 14, 18, 25

- Instrument Landing Systems (ILSs), number of, 22
- Instrument ratings, 14, 17, 25
- International Flight Service Stations (IFSSs), number of, 22

- Jet (aircraft), 6, 10, 11, 24, 26, 27
- Jet fuel, consumption of, 27

- Landing facilities, 20, 21
- Lighted Airports, 20, 21
- Lighter-than-air (pilots), 14, 18

- Mechanics, 14, 18
- Multi-engine (aircraft), 6, 10, 11, 24, 26, 27

- Navigators, 14, 18
- Non-Directional Beacons (NDBs), number of, 22

- Parachute rigger, 14, 18
- Paved airports, 20, 21
- Pilots, 14, 15, 16, 25
- Piston (powered) aircraft, 6, 10, 11, 24, 26, 27
- Private airports, 20, 21
- Private (pilot) certificates, 14, 15, 16, 17, 18, 25
- Public airports, 20, 21

- Rotorcraft, 9, 12, 24, 26, 27

- Safety record, 27
- Shipments, 4, 5, 6, 7, 8
- Single-engine (aircraft), 6, 10, 11, 24, 26, 27
- State, statistics by
 - aircraft fleet, 11
 - airports, 20, 21
 - pilots, 15
- Student pilots, 14, 15, 16, 17, 18, 25
- Student starts, 16

- Towers (number of), 22
- Turboprop (aircraft), 6, 10, 11, 24, 26, 27

- Unlighted airports, 20, 21
- Unpaved airports, 20, 21

- VORs, VORTACS, number of, 22

- Women pilots, 16, 18

- Year (and/or month) statistics
 - accident rates, 27
 - aeronautical facilities, 22
 - billings, 4, 5
 - change in pilot population, 16
 - exports, 8
 - fleet size, 24
 - flight hours, 12, 26
 - fuel usage, 26
 - pilot population, 14, 25
 - shipments, 4, 5, 7
 - student starts, 16



**General Aviation
Manufacturers Association**

Suite 517
1025 Connecticut Avenue NW
Washington, D.C. 20036
(202) 296-6540