



FOR CENTURIES man looked longingly at the skies. Finally, some forty years ago, at Kill Devil Hill, near Kitty Hawk, N. Carolina, Orville and Wilbur Wright successfully completed the first mechanical flight.

Today, thanks to the Wright brothers, man can fly. The Air Age is here! Thousands of military and commercial airplanes are speeding across the country on well-defined, carefully regulated airways. Air routes are reaching across every continent, into every corner of the world. No place on the globe is now more than 60 flying hours from your nearest air field.

As aviation comes of age air traffic is becoming more and more of a problem to pilots. Uniform rules and regulations are necessary to insure maximum safety in flight. To the young men of America whose hearts are in the sky, we present this booklet. Its pictures teach the rules that every pilot must know before he can earn his wings. Learn what this booklet has to tell and you will have taken a long step toward the day when you can say, "I've Got Wings."

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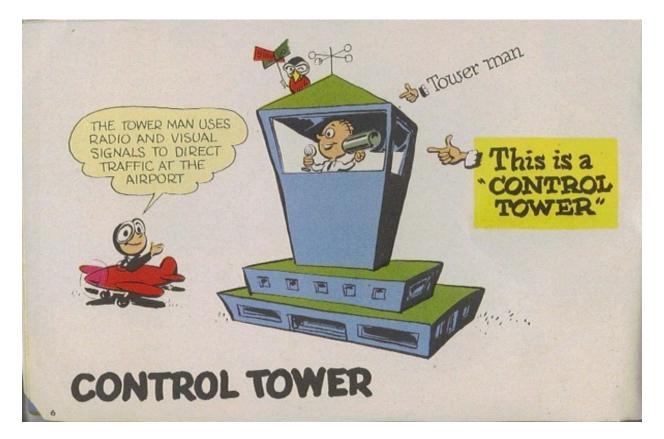
Information contained in this booklet is based primarily on Civil Air Regulations as amended to March 20, 1944. Certain Army flight procedures which vary from Civil Air Regulations are included so that the reader will have a complete picture of present day flying.

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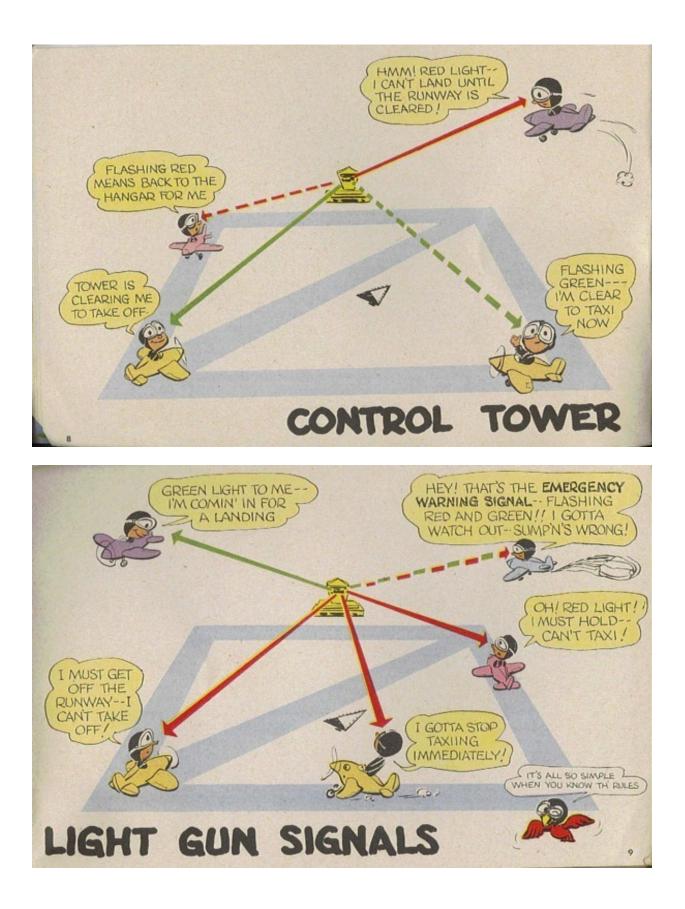
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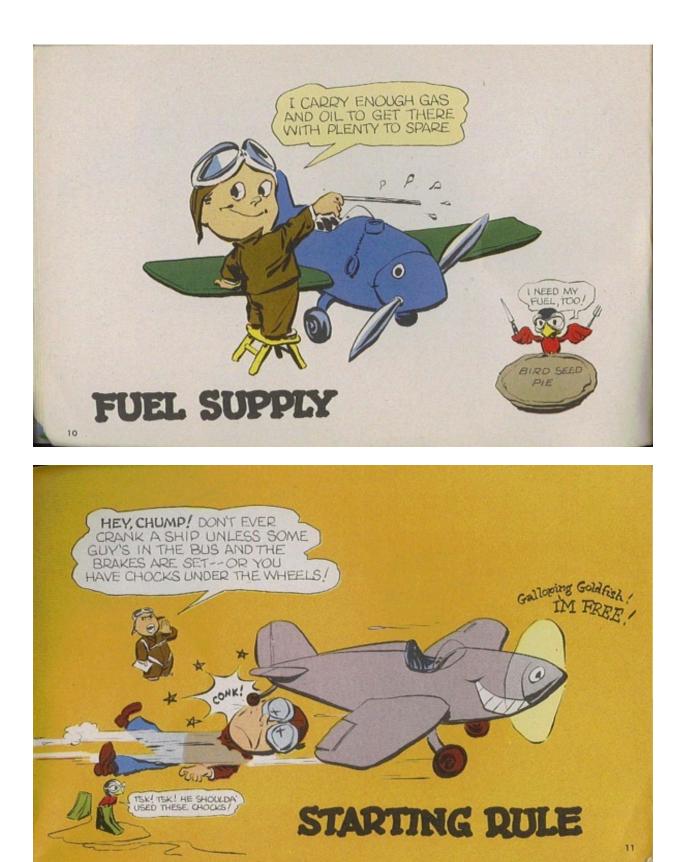
Art ideas for this booklet were contributed by personnel of the Air Traffic Control Division of the Civil Aeronautics Administration. "I've Got Wings" was prepared and published by the U. S. Army Air Forces, Office of Flying Safety.





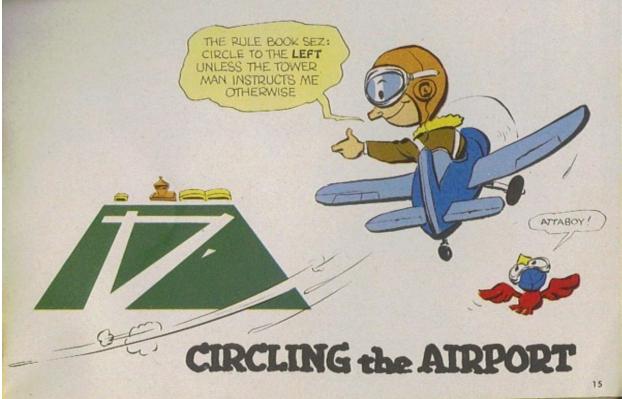




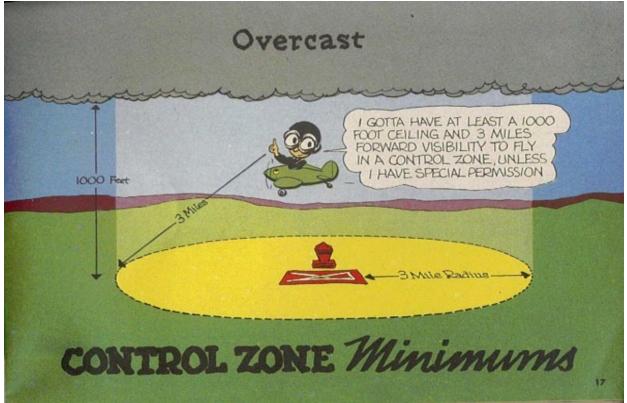


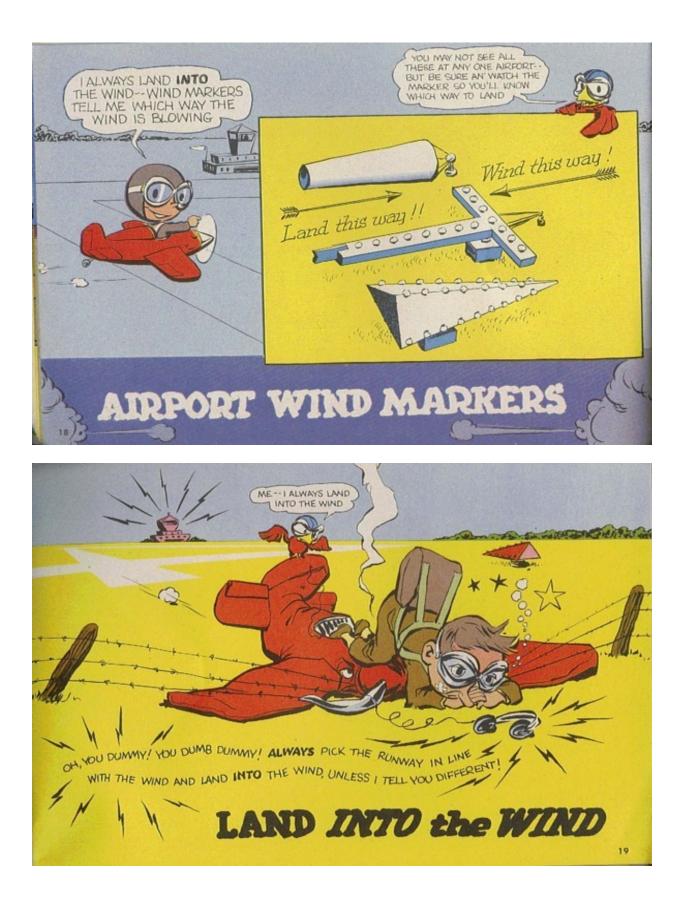




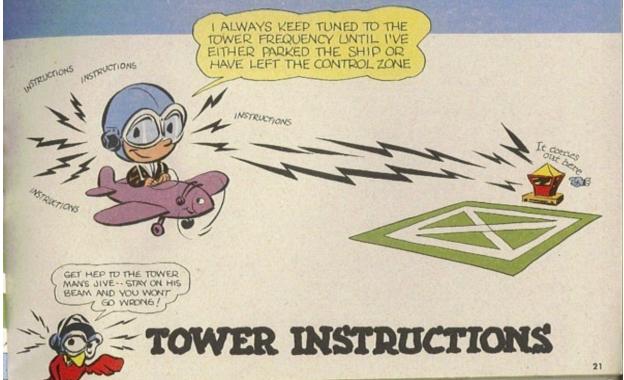


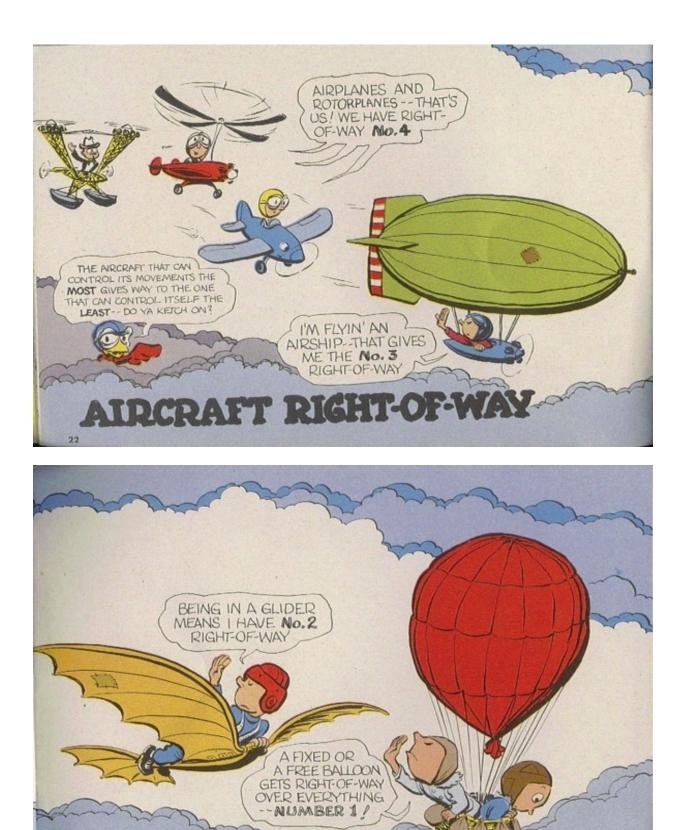


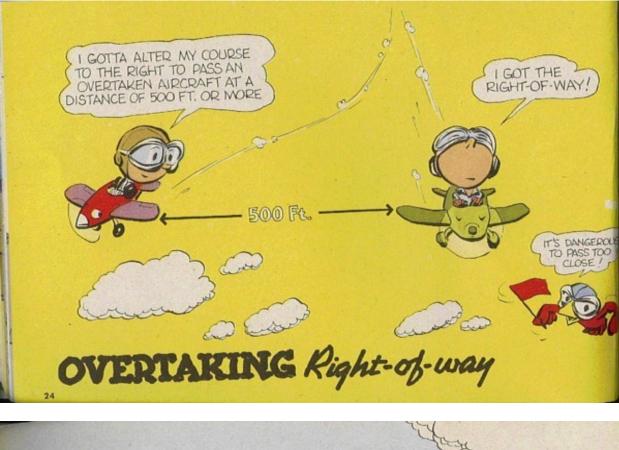




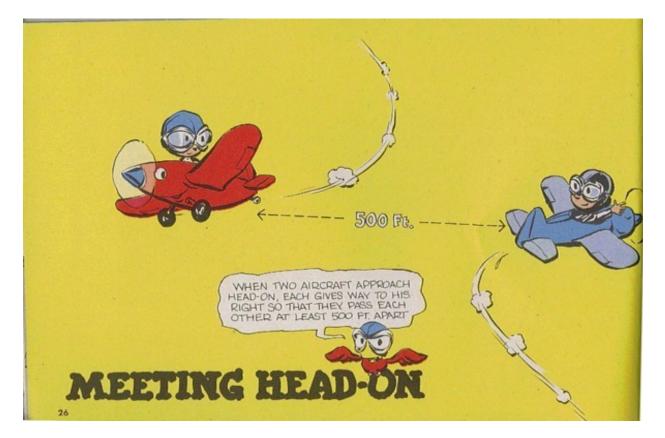




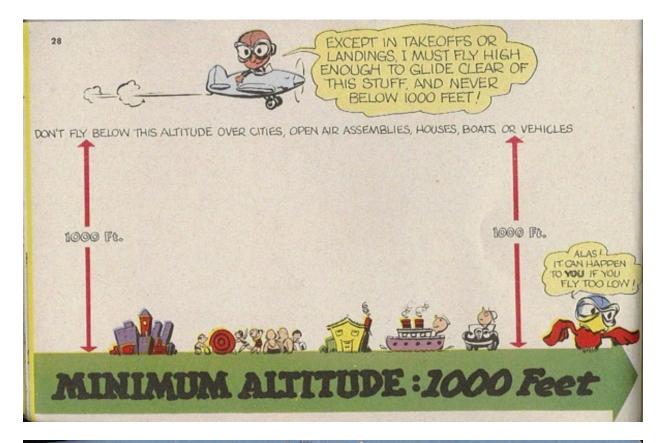




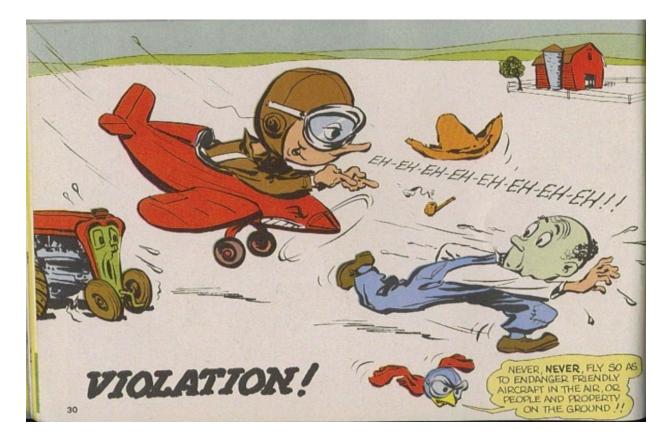


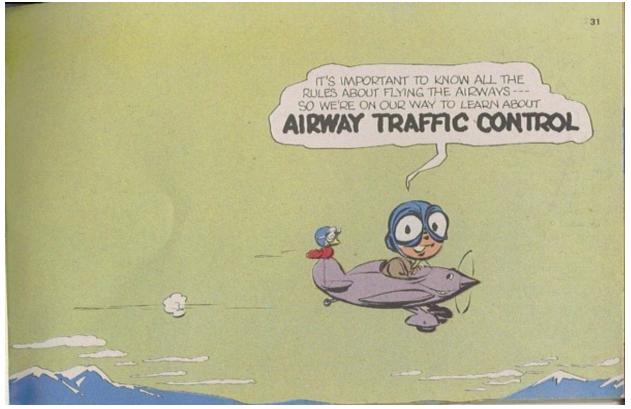


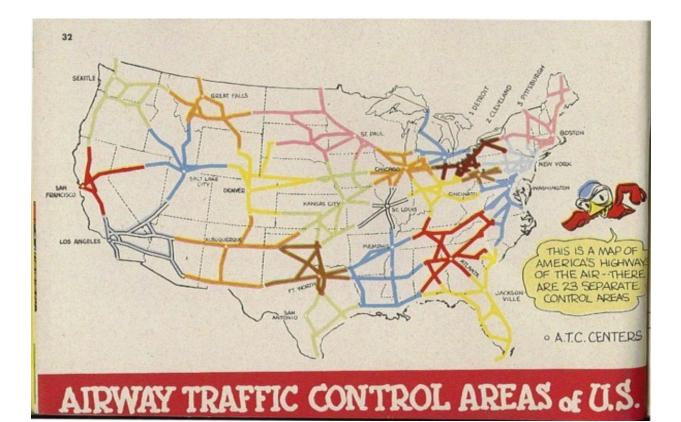


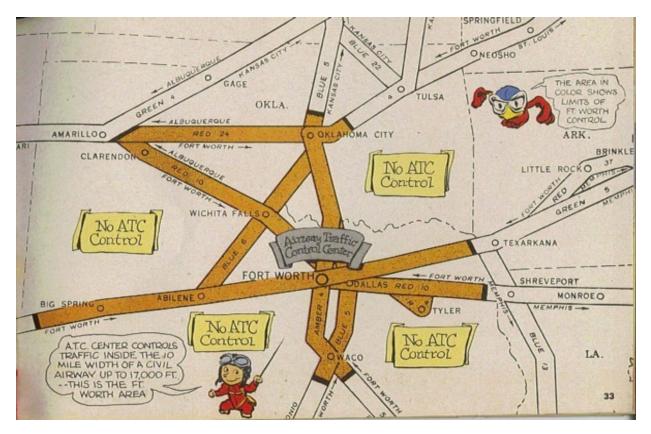


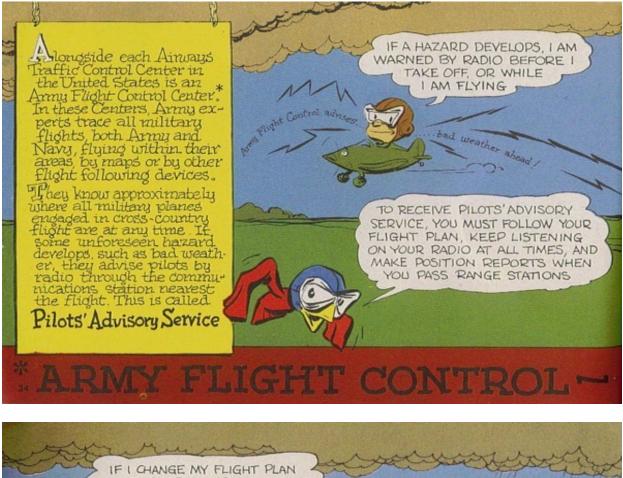


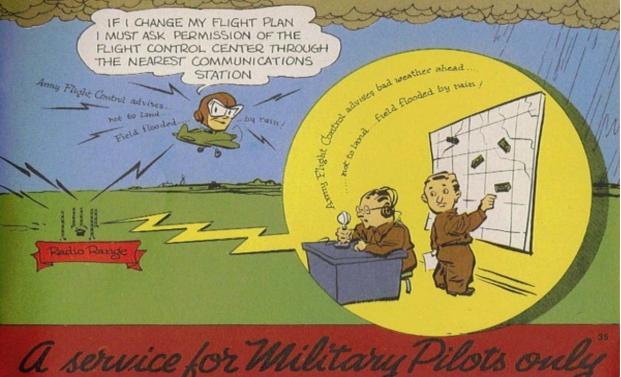


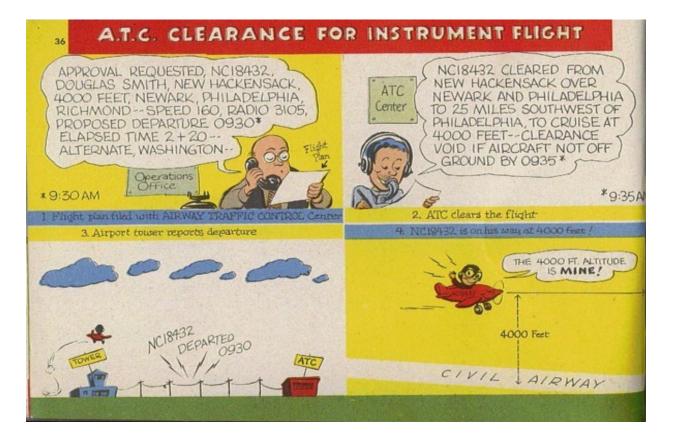


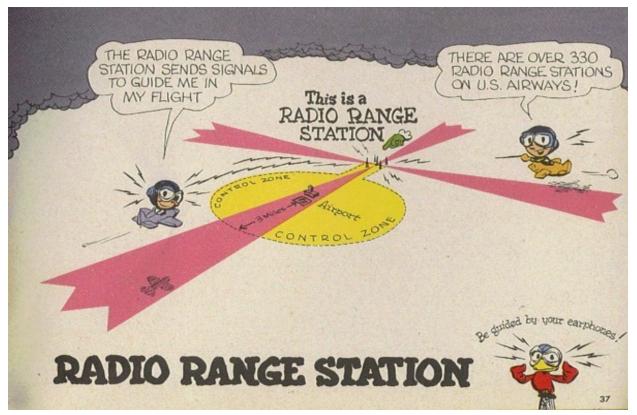


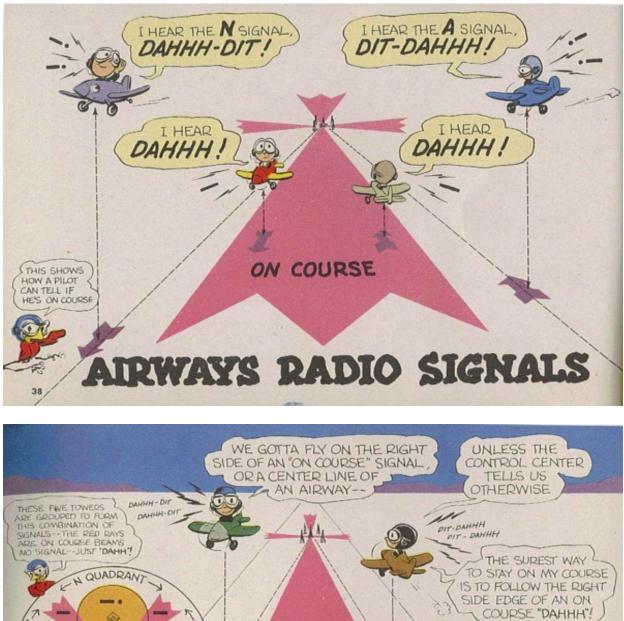


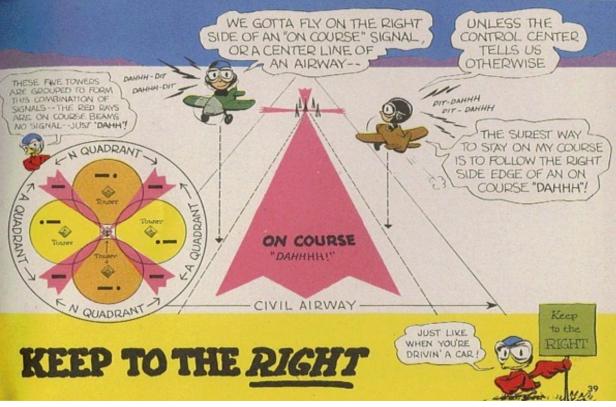


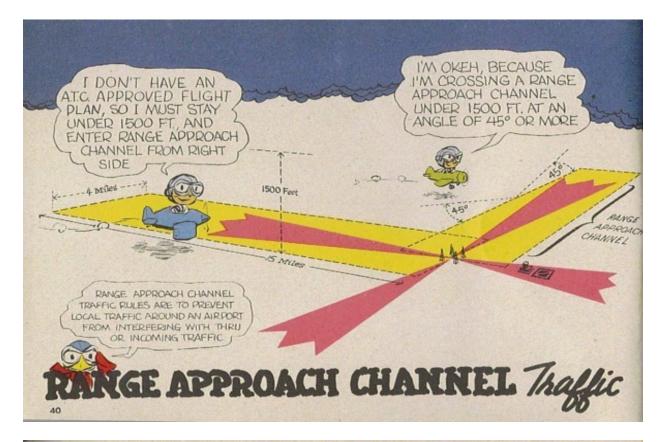


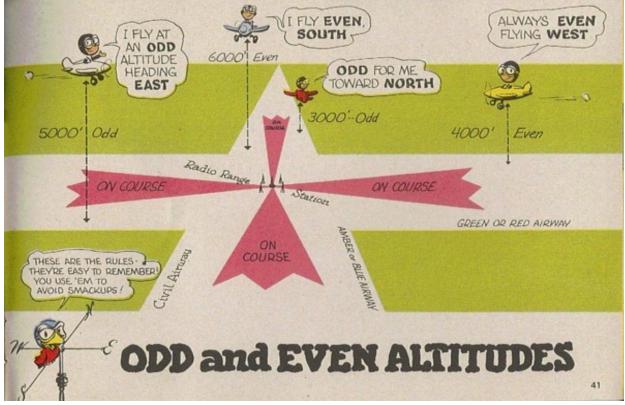


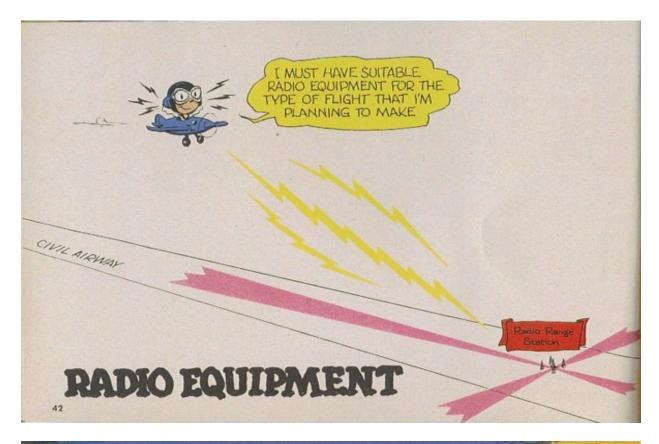




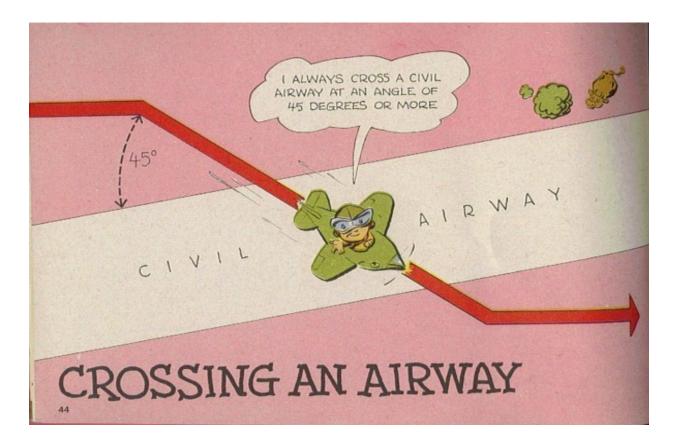




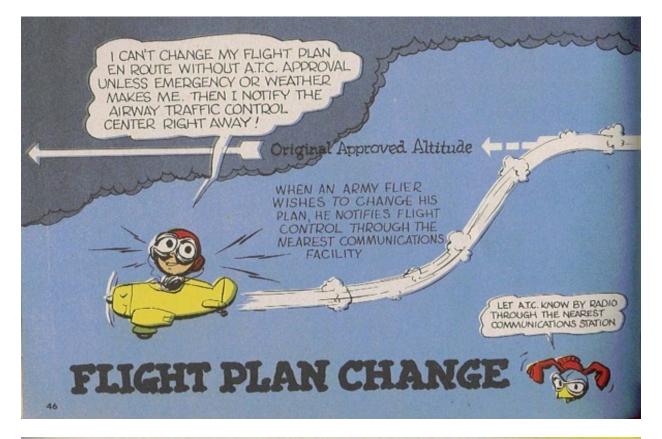


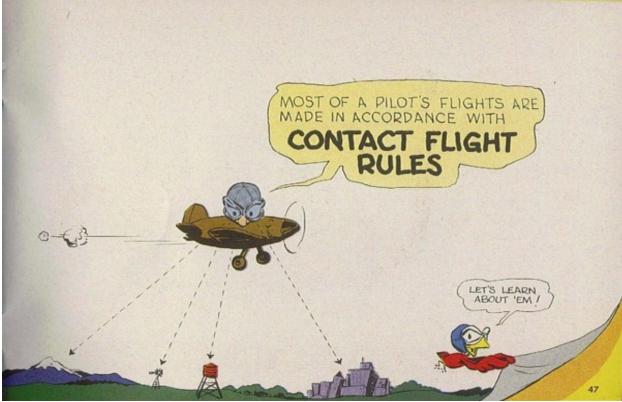






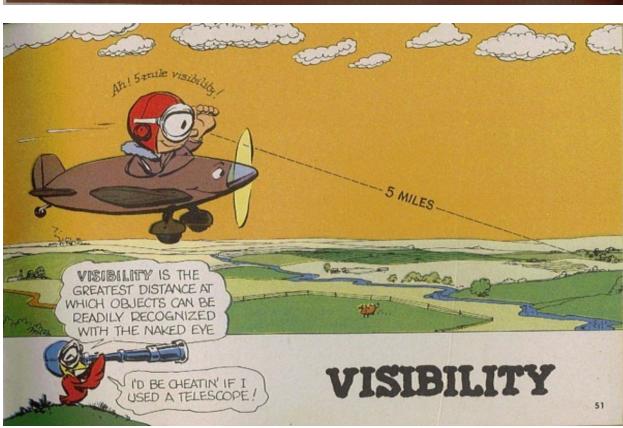


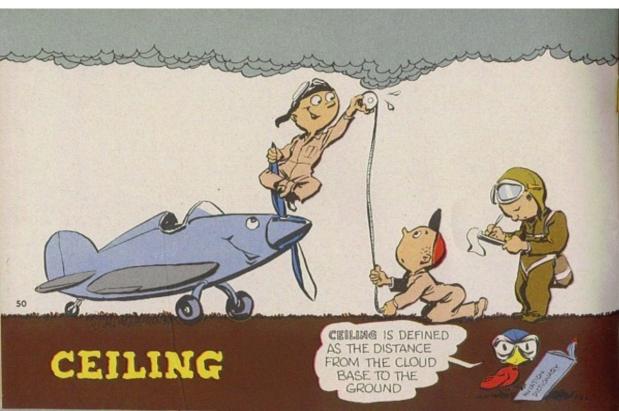


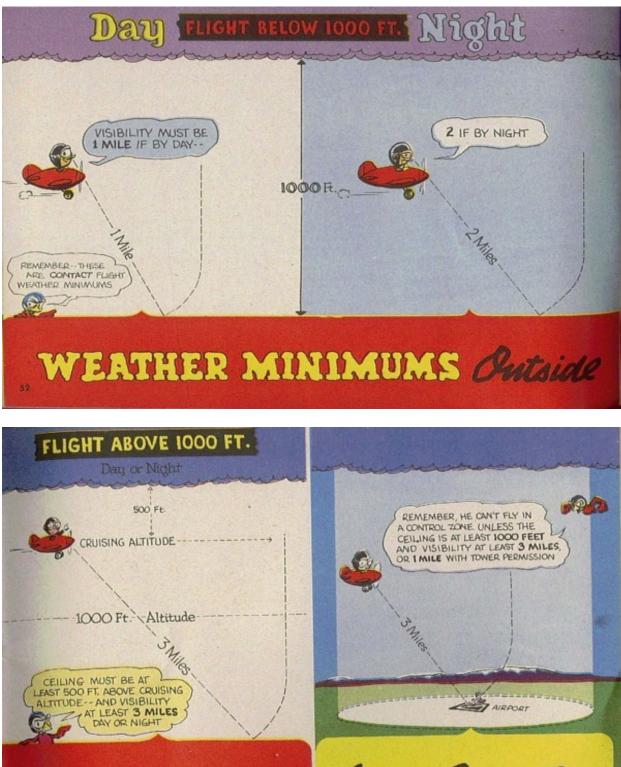






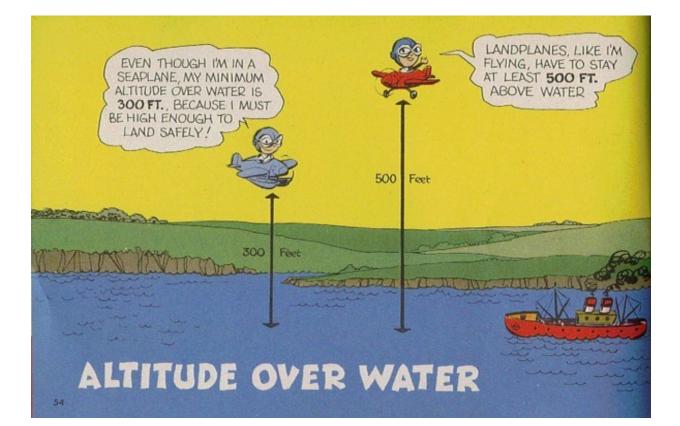


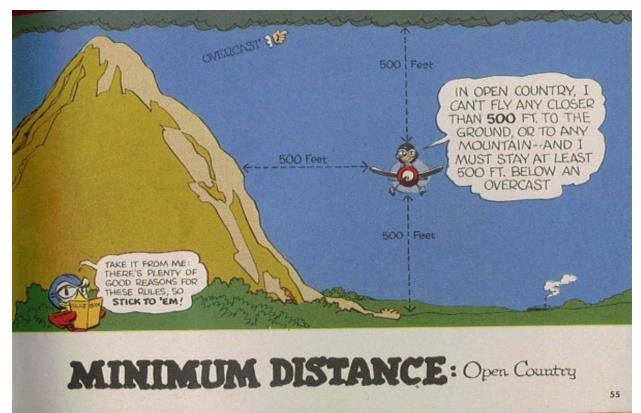


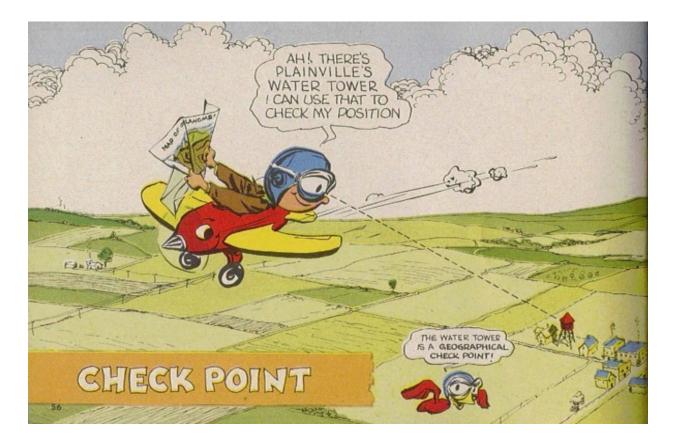


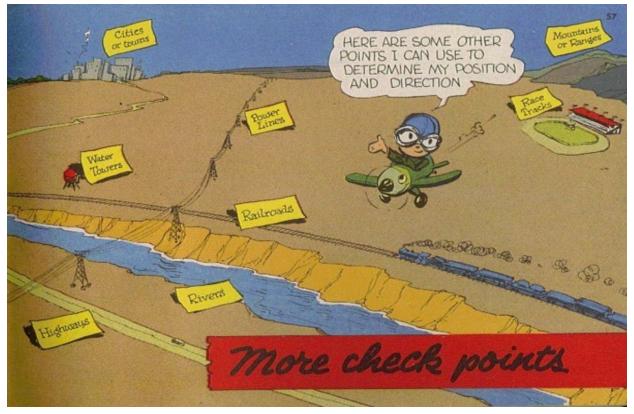
Control Zone

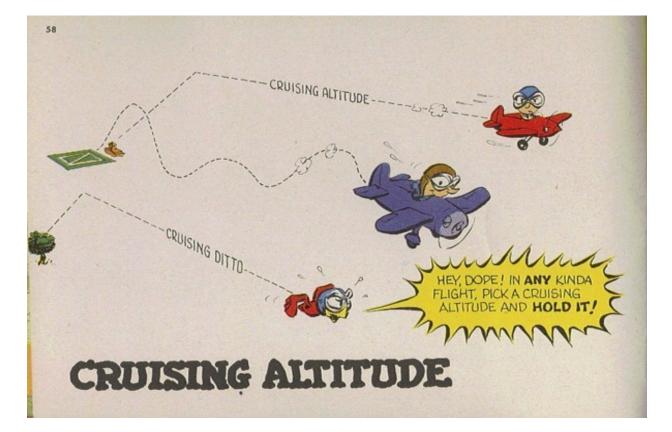
Inside Control Zone



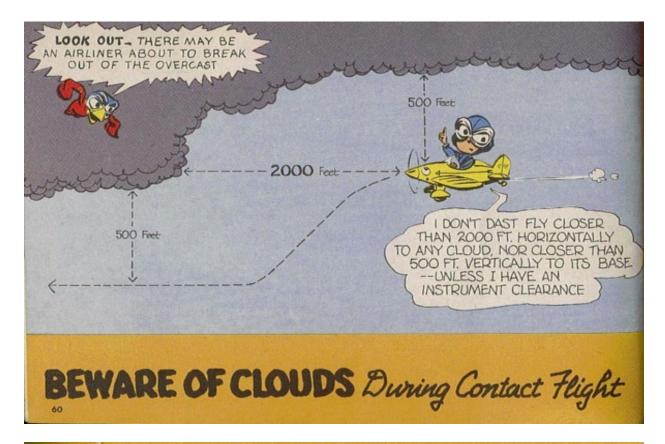








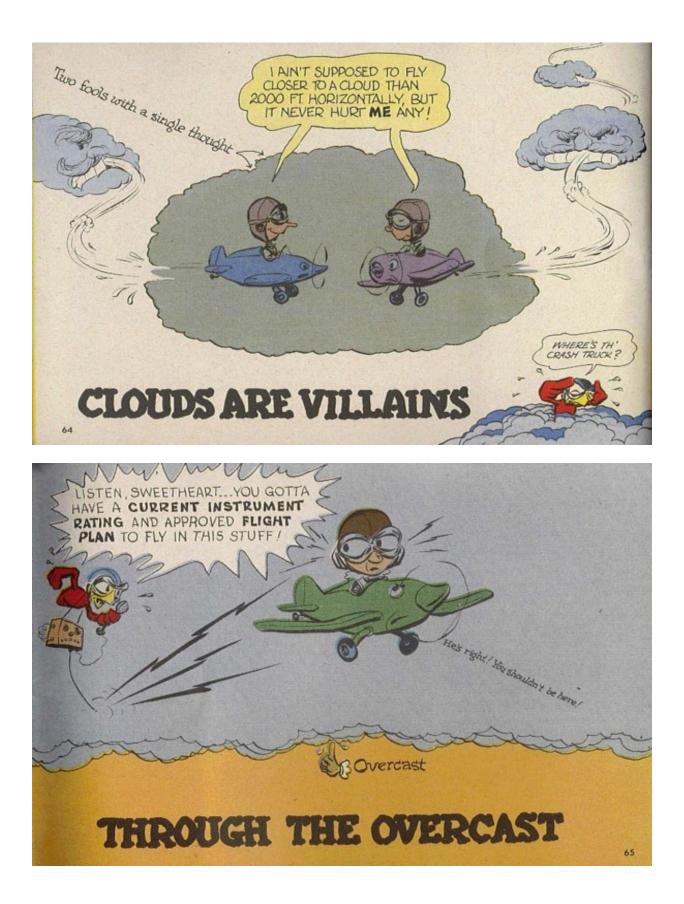


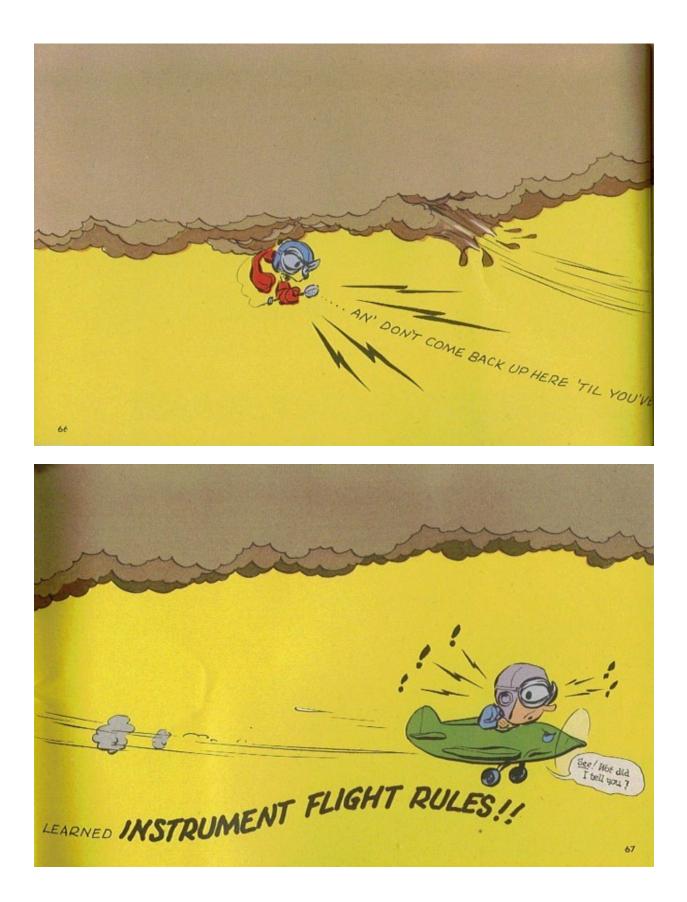


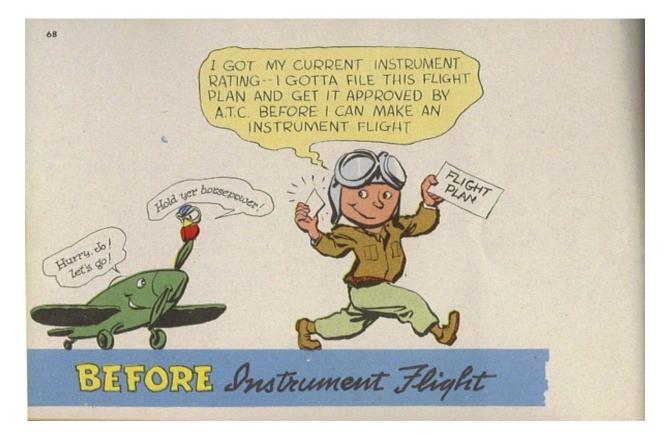




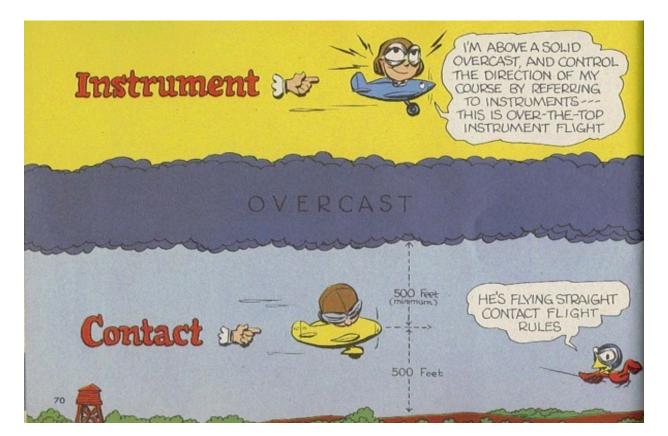






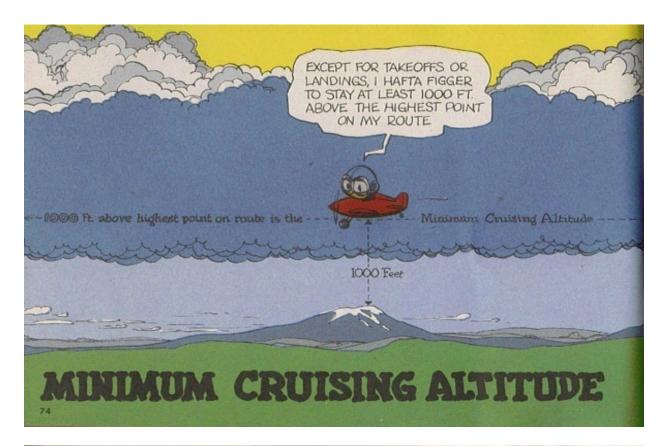


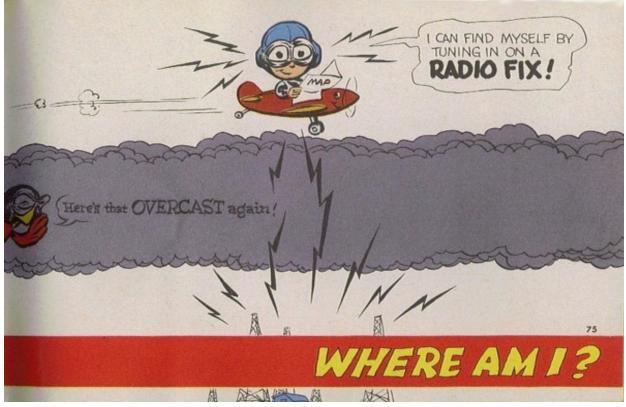




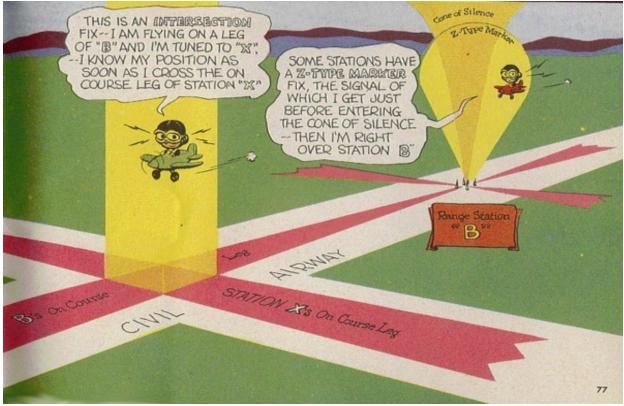
0 My Checklist: . Weather ? 2. Check Points? 3. Radio Facilities? 3. Radio Facilities? 5. Maps? 6. alternate dirports? 7. Airplane? 8. Myself????? 4. Fuel ? CHECKLIST

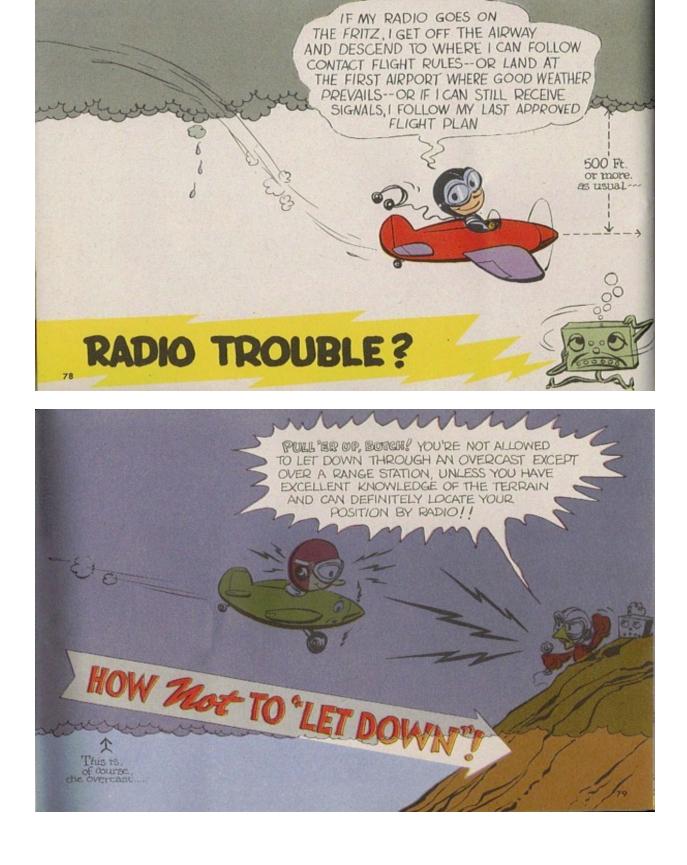


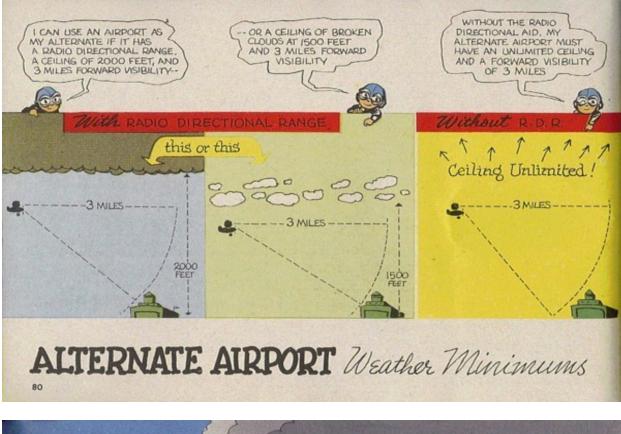




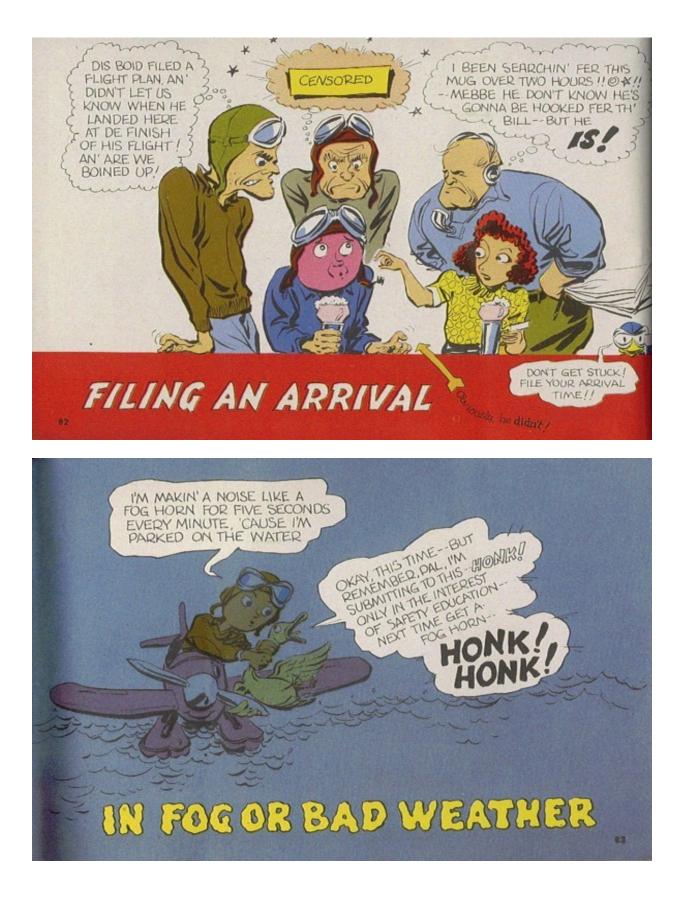


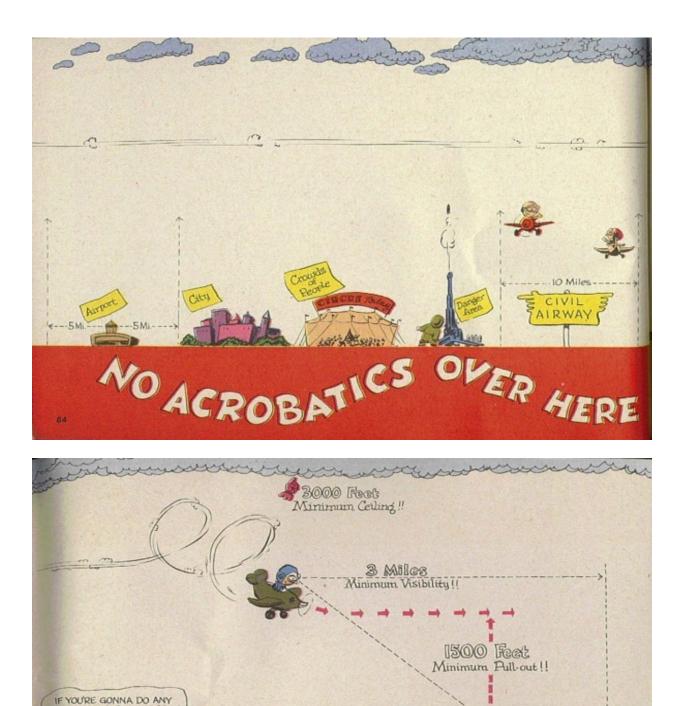




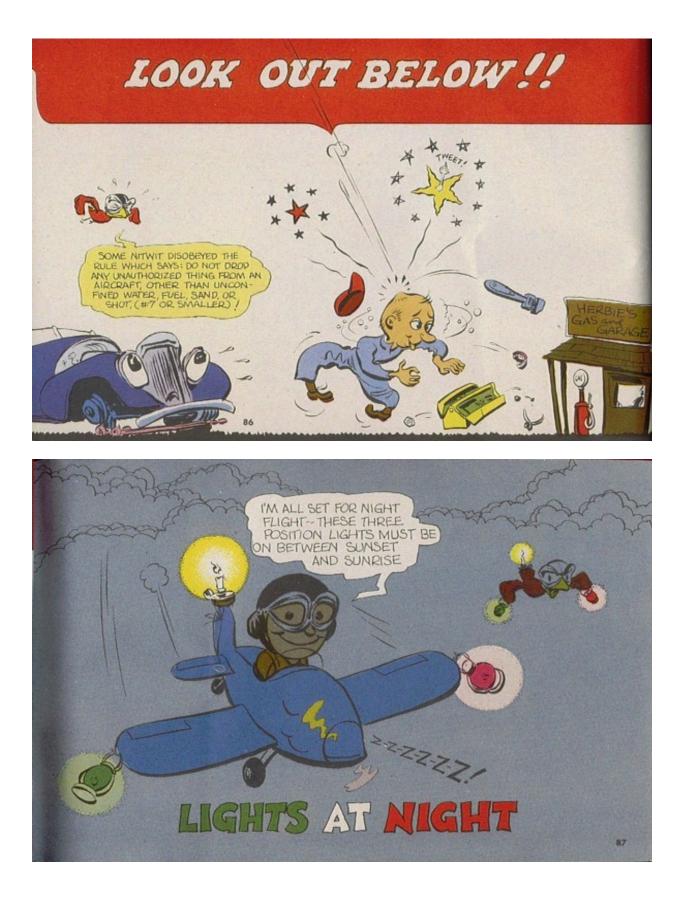


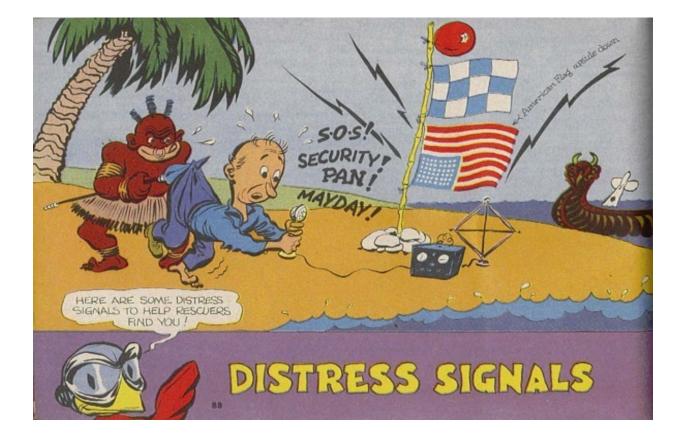












TEST YOUR KNOWLEDGE

YOU'VE BEEN THROUGH THIS BOOKLET ONCE. Now study it again. Each time you look at a page you'll find something new that escaped your attention before. When you are satisfied that you have mastered "I've Got Wings," then try your hand at the two quizzes on the following pages.

There are twenty questions in each quiz. Each question is followed by the number of the page containing the correct answer. The correct answers are also listed on page 92.

Each question correctly answered is worth 5 points. A score of 100 is perfect. Good going! Ninety is good. Eighty . . . you're getting wobbly. A good pilot knows <u>all</u> the answers. Dig in. Your wings are worth a lot of work and study.

QUIZ NUMBER 1 True False 1. A flashing red light-gun signal means "Taxi back to the hangar." (p. 8) 2. I will usually circle the airport to the _ right. (p. 15) 3. An air vehicle that can control itself the most gives way to the one that can control its movements the least. (p. 22-23) 4. Eight hundred feet is the minimum altitude over cities, crowds, etc. (p. 28)

- 5. I must alter my course to pass 500 feet or more to the right of overtaken plane. (p. 24)
- 6. When I am in the center of the beam I hear "Dahhh." (p. 38)
- 7. Heading north I fly at an even altitude. (p. 41)

True False

- 8. I need not keep tuned to control tower after take-off. (p. 21)
- 9. Ceiling is the distance from the top of the clouds to the ground. (p. 50)
- 10. When flying above 1,000 feet, day or night, I must be at least 500 feet below the ceiling and have 3 miles or more visibility. (p. 53)
- CFR over open country I must not fly any closer than 500 feet to the ground, mountains, or the ceiling. (p. 55)
- 12. On instrument flights I must stay at least 500 feet above hills, mountains or water, except for take-offs and landings. (p. 74)
- 13. If my radio goes bad, as long as I receive sufficient radio signals I can follow my last approved flight plan. (p. 78)

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True	False		True	False	
-		15. I pick the runway in line with the wind- marker and land with the wind. (p. 18-			2. An airplane has number 3 right-of-way in the air. (p. 22)
		 19) 16. When two aircraft approach head-on, they give way to the right to pass each other with 500 feet between them. (p. 26) 			 Power lines, bridges, oil wells, rivers, and race tracks are good check points. (p. 57)
				-	 I stay 2,000 feet horizontally from clouds when flying CFR. (p. 60)
	-	17. The plane approaching from the right has the right of way. (p. 25)			 If the ceiling is under 500 feet or the visibility is less than one mile, I can't take off on instruments. (p. 72)
		 The sound of the A signal is "Dit- Dahhh." (p. 38) I can fly on either side of an "on course" signal on an airway. (p. 39) 			 For an Army instrument flight during daylight, a 600-foot ceiling and 3 miles forward visibility at destination are satisfactory minimums. (p. 73)
	-	 Army Flight Control warns Navy pilots flying in the United States of unfore- seen weather hazards. (p. 34-35) 			 No acrobatics when flying over control zones, cities, crowds, restricted areas, or civil airways. (p. 84)
QL	JIZ	NUMBER 2		-	 I may turn after clearing the airport boundary when I have reached 400 feet altitude. (p. 14)
	-	 I can change my flight plan en route by notifying an A.T.C. center through the nearest communication station. (p. 46) 		+	 To have the right-of-way in landing I start my approach at least 1,000 feet from the airport boundary. (p. 20)

^{14.} You need a 1,000 foot ceiling and 2 miles forward visibility to fly in a control zone. (p. 17)

False			True	False						
	_ 10.	Emergency landings have the right-of- way only when a plane is on fire. (p. 27)	18. An alternate airport with a ceiling broken clouds at 1,500 feet must h 3 miles forward visibility, (p. 80)					ust have		
	_ 11.	The sound of the N signal is "Dahhh-								
		dit." (p. 38)		19	When the					
-	_ 12.	Heading east I fly at an odd altitude. (p. 41)			 me or at my destination—the smartest maneuver I can make is an 180-degree turn (about face). (p. 81) 20. I can do acrobatics if I pull out at least 1,000 feet from the ground. (p. 85) 					
	_ 13.	In contact flight the pilot controls his flight by reference to the ground or water. (p. 49)	-	20						
-	_ 14.	 At night, when flying outside a control zone and below 1,000 feet, I must have a minimum visibility of 4 miles. (p. 53) 	ANSWERS			10.	Quiz 2 F			
		and the second second second second		Quiz 1	Quiz 2	11.	T	T		
-	_ 15.	Both land planes and seaplanes are al- lowed to fly over water at an altitude	1.	Т	T	12.	F	T		
			2.	F	F	13.	Т	T		
		of 300 feet. (p. 54)	3.	Т	T	14.	F	F		
	14	In contact flight it isn't important to pick any particular cruising altitude. (p. 58)	4.	F	T	15.	F	F		
100			5.	T	T	16.	T	F		
			6.	т	F	17.	Т	T		
			7.	F	T	18.	т	Т		
	_ 17	When flying contact flight rules I must	8.	F	F	19.	F	T		
1.00		turn back or go around clouds. (p. 63)	9.	F	T	20.	T	F		

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True

"SLANGUAGE"

Ace—a combat pilot with five or more victories. Blanket Drill-sleeping.

Blind Flying-a date with a girl you've never seen.

Bumps-the effect of updrafts and downdrafts encountered in flight.

Bunk Flying—talking aviation in quarters.

Buzzing—flying dangerously low over people or property on the ground; (taboo).

Caterpillar Club—a jump for life in a parachute qualifies for membership.

Chinese Landing-one wing low.

Clinker-a poorly executed maneuver.

Conservatory—a power-operated, glass-enclosed machine gun turret.

Contact—a warning called out by the pilot to inform the mechanic the ignition switch is on.

Cracking Good Show-highest possible praise of a performance.

Dead Stick-gliding plane, after the engine has conked. Dogfight-combat between two planes.

Drive It In The Hangar-stop talking aviation.

Dummer-a bonehead act.

Dust Bin-underside rear gun turret in an enemy aircraft. Eggs.-bombs.

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Fat Friends-balloons.

Flak-anti-aircraft fire.

Flying The Iron Beam or Iron Compass-pilot flying along railroad.

Flying Pig-aerial torpedo.

Flying the Gauges-instrument flying.

Some Altitude—come to a more erect standing or sitting position. Used to correct the "civilian slouch" Gain Some Altitudein new cadets.

Geese-enemy bomber formation.

Get Eager-do your best; strive to the utmost.

Give It The Gun-advance the throttle to accelerate engine speed.

Glasshouse-power operated turret.

Go Into A Tailspin—get mad.

Going Upstairs-gaining altitude; climbing.

Good Show-a commendable action.

Grab A Brace—come to a position of super attention; usually directed at new cadets.

Hangar Pilot—mechanic who talks a great flight.

Hedge Hopping-low flying.

He's In A Flat Spin—a bit touched.

Hit The Deck-when an aviator lands.

Hitting The Silk—to make a parachute jump.

Hot Crate—a speedy plane.

H. P.—a hot pilot.

Jinking—dodging anti-aircraft fire.

Lame Duck-damaged plane.

Laying The Eggs-dropping bombs.

Life Saver-a parachute.

Mustard-smart pilot.

Office—the pilot's cockpit, usually in a large airplane. Onions—flaring anti-aircraft shells.

Overshoot—to glide beyond the landing field before landing.

Pea Shooters—the high-powered planes of the Air Forces.

Pulpit-the cockpit.

Ready Room—the room where pilots on duty assemble, ready for instant call to action.

Reef Back-pull back the stick in flying a plane.

Roll Up Your Flaps-stop talking.

Shoot Landings-to acquire practice in landing a plane.

Short Snorter—a member of an unofficial flyers' club, each member of which carries a one dollar bill autographed by fellow short snorters. Any members being unable to show the bill upon request of a fellow member, must forfeit a comparable bill or note to each short snorter present.

Shot Down In Flames—jilted by a girl friend.

Show-action in the air.

- Slap On The Coal—open the throttle to give a plane more gas.
- Solo—flying alone; hence doing anything else without company.

Spin Off-take a nap; or go to bed.

Spit Curl—a side slip in a plane.

Sugar Report—a letter to or from a girl friend.

Tear Off A Strip—to give someone a bawling out.

Tin Fish—an aerial torpedo. Woofing—the telling of tall tales.

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