

Senior Pattern Association

**2009-2010
Information Pack**



HISTORY OF THE SENIOR PATTERN ASSOCIATION

Mickey Walker founded the Senior Pattern Association in March 1991.

The original concept was to provide a relatively inexpensive and uncomplicated competition pattern with simple rules and fly model airplanes designed and flown prior to 1976.

This concept has proven to be very popular and the Senior Pattern Association now has a fairly large National membership made up of local flying clubs and individuals who are dedicated to the building, flying and competition of vintage pattern aircraft.

**The
Senior Pattern Association
Simply Better!**

WEB SITE - <http://www.seniorpattern.com>

You may join the Senior Pattern Mail list at:
<http://www.seniorpattern.com/mail.asp>

SPA RULES FOR COMPETITION

Effective January 1, 2009

1. Age Groups

- a. Pilots of all ages fly together in Novice and Sportsman classes
- b. Pilots age 0-59 can fly Expert class
- c. Pilots 60 and up can fly Senior Expert class

2. Aircraft

- a. Any model designed and flown before January 1, 1976 is legal.
- b. Retractable landing gear is not legal. Flaps may be used only if on the original plans.
- c. The contestant is responsible to furnish documentation for any model not on the Legal Airplane List. The President can provide the member with Legal Airplane information.

3. Engines

- a. Any side exhaust two cycle engines up to .61 cubic inches is legal.
- b. Four-cycle engines up to .91 cubic inches with no air chamber, fuel injection or super charging of any kind are legal.
- c. Electric motor powered aircraft weighing no less than 5 pounds, ready to fly, and generating no more than 1400watts on a fully charged battery shall be allowed.
- d. A proper muffler must be used but tuned pipes are not legal.

4. Radios

- a. Any radio currently approved by the AMA may be used.

5. Antique Class

- a. Any side exhaust two cycle engines up to .61 cubic inches are legal.
- b. Four-cycle engines up to .71 cubic inches with no air chamber or super charging of any kind are legal.
- c. Airplanes must have been designed and flown before January 1, 1967.

6. Novice Class

- a. Any AMA legal airplane of 72-inch wingspan is legal for this class. The same engine requirements as for other SPA classes apply.

7. CONTEST DIRECTORS

Contest Directors shall authorize all contest operations including which classes will be flown.. These decisions should be announced in their Contest Mailers and sent to all members invited to their contest. This should be done in a timely manner. Other rules may be changed for Safety Reasons. Patterns shall be flown as listed if the event is part of the contest.

8. MEMBERSHIP RULES

All Contestants Must be an SPA Member or become one with the exception of the NOVICE CLASS

SPA Patterns for 2009-10

EXPERT	K-Factor
1. TAKEOFF (U) (DOWNWIND TRIM PASS)	1
2. FIGURE M WITH 1/2 ROLLS	4
3. THREE AXIAL ROLLS (D)	3
4. TOP HAT (U)	3
5. FOUR POINT ROLL (D)	4
6. RUNNING EIGHT (U)	4
7. 8 POINT ROLL (D)	4
8. 3 REVERSE OUTSIDE LOOPS (U)	4
9. 180 DEGREE TURN (U)	3
10. SLOW ROLL (D)	3
11. DOUBLE IMMELMAN (U)	3
12. CUBAN EIGHT (D)	3
13. 3 TURN SPIN (U) (FLY BY FOR LANDING)	3
14. LANDING PERFECTION (U)	2

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

SPORTSMAN	K-Factor
1. TAKEOFF (U) (DOWNWIND TRIM PASS)	1
2. DOUBLE STALL TURN (U)	3
3. CUBAN EIGHT (D)	3
4. THREE INSIDE LOOPS (U)	3
5. THREE HORIZONTAL ROLLS (D)	3
6. 1 REVERSE OUTSIDE LOOP (U)	3
7. 180 DEGREE TURN	3
8. SLOW ROLL (D)	3
9. DOUBLE IMMELMAN (U)	3
10. FOUR POINT ROLL (D)	4
11. RUNNING EIGHT (U)	4
12. KNIFE EDGE FLIGHT	3
13. TURN SPIN (U) (TURN AND FLY BY FOR LANDING)	3
14. LANDING PERFECTION (U)	2

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

SPA Patterns for 2009-10

NOVICE

K-Factor

- | | |
|--|---|
| 1. TAKEOFF (U)
(DOWNWIND TRIM PASS) | 1 |
| 2. STRAIGHT FLIGHT OUT (U) | 1 |
| 3. PROCEDURE TURN (U) | 2 |
| 4. STRAIGHT RETURN FLIGHT (D) | 1 |
| 5. IMMELMAN TURN (U) | 2 |
| 6. DOUBLE STALL TURN (U) | 3 |
| 7. ONE HORIZONTAL ROLL (D) | 2 |
| 8. 1/2 CUBAN EIGHT (U) | 2 |
| 9. THREE INSIDE LOOPS (U) | 3 |
| 10. 180 DEGREE TURN(U) | 3 |
| 11. LANDING PERFECTION | 2 |

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

ANTIQUA EXPERT

- | | |
|--|---|
| 1. PROTO TAXI & TAKEOFF (U)
(DOWNWIND TRIM PASS) | 1 |
| 2. TOUCH AND GO (U) | 3 |
| 3. THREE AXIAL ROLLS (D) | 3 |
| 4. TOP HAT(U) | 3 |
| 5. FOUR POINT ROLL (D) | 4 |
| 6. DOUBLE IMMELMAN (U) | 3 |
| 7. SLOW ROLL (D) | 3 |
| Fly by if needed to enter from left | |
| 8. ROLLING CIRCLE from LEFT | 3 |
| 9. TAIL SLIDE (U) | 4 |
| Fly by if needed to enter from left | |
| 10. LANDING PERFECTION (U) | 3 |
| 11. TAXI TO HANGER | 2 |

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

SPA Patterns for 2009-10

ANTIQUÉ SPORTSMAN

K-FACTOR

1. PROTO TAXI & TAKEOFF (U) (DOWNWIND TRIM PASS)	1
2. TOUCH AND GO (U)	3
3. THREE HORIZONTAL ROLLS (D)	3
4. 3 INSIDE LOOPS (U)	3
5. FOURPOINT ROLL (D)	4
6. THREE TURN SPIN (U)	3
7. FAI HORIZONTAL EIGHT (D)	3
Fly by for next maneuver	
8. CUBAN EIGHT (D)	2
9. THREE OUTSIDE LOOPS (U)	3
Fly by for landing	
10. LANDING PERFECTION (U)	2
11. TAXI TO HANGER	2

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

ANTIQUÉ NOVICE

1. TAKEOFF (U) Trim Pass	1
2. STRAIGHT FLIGHT OUT	1
3. PROCEDURE TURN	2
4. STRAIGHT FLIGHT BACK	1
5. THREE INSIDE LOOPS	3
6. ONE HORIZONTAL ROLL	2
7. IMMELMAN TURN	2
8. STALL TURN	2
9. LANDING PERFECTION	2

Note: No Fly-Bys Allowed. Maneuvers flown out of sequence shall be scored zero (0).

LEGAL AIRPLANE LIST THRU 1975

A-6 INTRUDER
(Kirkland)
A-6 INTRUDER
(Airborne Models)
ACCUSTAR
ATLAS
AVANTI
AVENGER
BANSHEE
BELLAIRE
BLUE ANGEL
CAJUN QUEEN
CALIFORNIAN
CHECKMATE II
COMPENSATOR
CONTENDER
CRUSADER
CURARE
CUTLASS
DADDY RABBIT I
THRU IX
DIRTY BIRDY
DON JUAN II
DRAGIN FLY
EIGHT BALL
EL GRINGO
EPITOME
EQUALIZER (Curtis
Motes)
EYEBALL
FANTASY (Small)
FIREBIRD
FIRE FLY
FLEA FLY
GLADIATOR
HI-LO
HOT PANTS
HUMMING BIRD
INTEGRA
INVICTUS II
KAOS
KAOS (Direct
Connection)
KILLER KAOS

KWIK FLY I THRU IV
KWIK FLY TAPER
WING
LANIER
ALL ARF
LECTRA
LIBERY BELL
L'OISEAU
MACH I&II
MAGIC DRAGON
MAGNUM 600
MISS FLORIDA
MORRIS HF
MR. ED
MR. SLICK
MURA
NEW ORLEANEAN
NUCLEON
NUTCRACKER
OMEN
PANTERA
PANZER D-20
PEGASUS
PHANTOM I
PHOENIX I THRU
VIII
PINK PANTHER
PUFFIN II
QUACK FLY
RAMPAGE
RCM EXPERT
RETARDED
SEQUEL
SKEETER
SKYLARK 56 & 70
SO-LO
SPEAR
STARFIRE
STAR TREK
SUN FLY (ALL)
SUPERFECTION
SUPER DUCK
SUPER FLY
SUPER KAOS

SUPER SKEETER
SWEEPER
SWEETATER
T2A (Mk I only)
T-BIRD
TEXAN
TEXAS TWISTER
THREE PERFECTION
THUNDER PANZER
TIGRE NUT
TIGER TAIL
TRITON
TRIGON
TRION
TRIPLE TROUBLE
TROUBLE MAKER
TWISTER (RCM)
UNDONE II
UTOPIA
UTTER KAOS
VIRGINIAN
VULCAN
WARLOCK

ANTIQUE LEGAL AIRPLANE LIST PRIOR TO 1967

**AERO MASTER
(BIPE)
ALLEGRO
ALTAIR
AMANUSA
AMBASSADOR
APPOLLO
ARISTO CAT
ASTRO HOG
BEACHCOMBER
BELL P-39
BELL P-63
BARFLY
BI-FLY (BIPE)
BOLERO (BIPE)
CANDY
CHALLENGER
CITATION
COPY CAT
CRUSADER
DADDY RABBIT I
DEADBEAT
DUSTER (BIPE)
EXPRESSO
F-9 (RCM)
F-10 (RCM)
FALCON 56
FALCON SENIOR
FLAT TOP STORMER
FORERUNNER
HAMMERHEAD
INTERCEPTOR
JAVELIN
JENNY
JETFIRE
JUBILEE
KWIK FLY I & II
KWIK FLY ARF
(Hobby Shack)
MISBEHAVING
MISFIRE**

**MOODY
NEATNIK
NORSEMAN
OKIE
ORION
PAILLIE
PANZER D20
PATRIOT
PATTERN MASTER
(DeBolt)
PEGUSES
PERIGEE
PHANTOM
PIPE DREAM
PURSUIT
QUALIFIER
RADIANT
RAIDER
RESISTOR
SABRE HAWK
SAFIRE
SCORPIO
SKY DANCER
SKY GHOST
SKYLARK
SMOG HOG
SONIC CRUISER
SORACO
SOURCER
STORMER
STRATURS
SULTAN
SWEEPER
TAURUS
TAURI
TRASHIE
TORERO
UGLY STICK
(All Same Size as Original)
UPLIFT**

**VISCOUNT
VISCOUNT TWIN
VIPER
VOLTS WAGON
X-2
YANKEE
ZEUS
ZIPPY**

Intentionally Blank