



# The ThunderWord

Thunderbird Field EAA Chapter 1217 January, 2010

Scottsdale, Arizona

## **PRESIDENT'S CORNER**

Greetings from my corner of the hangar. The last meeting seems like ancient history but it was only two months ago. Chapter member Dave Kujawa did a great presentation on the Copperstate Fly-In. Dave's passion for aviation and photography was very evident!

Thanks to every one who pitched in to make our eleventh annual Holiday Party a huge success. It was great to see so many members and their spouses enjoy an evening away from the airport and out of the workshop.

We are just 45 days away from the Cactus Fly-In, which in my opinion is the greatest grassroots aviation event in the southwest. Chapter members and friends will have a chance to get involved and participate in this event. You can learn about what's involved later in the newsletter. Remember the Fly-In is all about the volunteers having a good time, without you this fly-in would not be possible.

I hope to see everyone at the January meeting!

*Curtis*

## **JANUARY CHAPTER MEETING**

The first meeting of 2011 of Thunderbird Field EAA Chapter 1217 will be held on Thursday, January 20<sup>th</sup> in the Scottsdale Airport Terminal Building at 7pm. For this meeting we are going to do a double header with two great presentations!

The first will be ASU student Emiley Darling who is going to tell us about a TV show she wrote, directed, and filmed. Called Stearman Stories, it is scheduled to be aired on KAET Channel Eight this spring. You will probably recognize many of our Chapter members and planes.

The second half will be a unique show with a \$100.<sup>00</sup> prize to the winner! Michael Schrott, who did the Pond Racer presentation last year, has put together a Rutan Aircraft Factory/Scaled Composites crossword puzzle that he will go over. He will also have a fully illustrated PowerPoint presentation to go along with the "key" to the puzzle that includes many rare photographs of Rutan aircraft which have never been seen before by the general public. The way to win the \$100<sup>00</sup> is to be the first person to correctly answer the crossword puzzle. Michael dropped off a stack of the puzzles at the Holiday Party so some of you might have a head start already. If not, the puzzle is included in this newsletter.

It will be a great meeting and guests are always welcome

## **HOLIDAY PARTY**

A big thanks goes out to Chapter member Ron Landon and his wife Sherrie, who once again opened the doors of their home for our Eleventh Annual Chapter Holiday Party last month. Throughout the night close to sixty people showed up to share in the holiday camaraderie. Thanks to Dick and Pauline McNaney who volunteered to help with setting up! Everyone left with a full stomach and some holiday spirit. One of the attendees remarked that she was really surprised that her husband's knuckle dragger friends from the airport cleaned up so well. I think that was a complement???

## **CACTUS FLY-IN**

### **JUST AROUND THE CORNER**

The Fifty-third annual Cactus Fly-In will be held at the Casa Grande Airport Friday and Saturday March 4 and 5. EAA Chapter 1217 along with EAA Chapter 1445 will provide the manpower to run this great event. Last year

was a perfectly run event so we will try to exactly duplicate it this year. We need help on Thursday through Sunday. Thursday afternoon and Sunday morning are setup and teardown days and are only half days. On Friday and Saturday the days kickoff early at 0730 for a briefing and coffee. You will be given your duty assignment with Fly-In veterans teaming up with new folks, remember no experience is required. At our Volunteer Center we will have **lunch**, drinks and of course the **famous Volunteer Fly-In shirt** for those folks helping out. If you can't make the early show we have many shifts to staff throughout the day. Most people pitch in for four hours so there is still plenty of time for looking at planes. Remember there are no bad jobs! To get your **VIP parking pass** and instructions, stop by the February EAA 1217 Chapter meeting.

## **SPLASHING AROUND LAKE PLEASANT**

Chapter 1217 member Tod Dickey is the self-appointed Commodore of the Lake Pleasant Flying Yacht Club after all his hard work getting the lake opened to seaplane

operations. Seaplane pilots are now able to access the lake on selected days throughout the winter months. As each "Seaplane Day" goes off safely and smoothly the people that run the park are seeing that seaplanes and boat traffic can safely intermix.

November's date went off without a hitch. We only had two seaplanes but had lots of fun. Taxiing up and down a 7% ramp is getting to be old hat. The marina boat came and picked us up again and took us to the restaurant. Anyone with say a Cessna 206 or a Caravan could easily dock right at the restaurant.

Steve Lund made some new friends at the restaurant who wanted a closer look, so on our departure we taxied into the marina within yards of the bar. Lots of people were waving and taking pictures. Hopefully a few of them will be plastered up on the bar next time.

The Park folks finally took Tod up on his offer to go for a ride in his Grumman Widgeon and see what the lake looks like from a pilot's perspective. Hats off to Tod for his year after year persistence in getting the lake opened to seaplanes.



**Grumman Widgeon and Lake Amphibian at the Lake Pleasant November Seaplane Day**



**Lake Amphibian Preparing to Launch at the Lake Pleasant Ramp**

## **COLORS !**

*By Chris Clark*

For an aspiring aviator, it might be a good idea for them to have the help of a friend, mentor, instructor or parent to sit down with them, and spend some time identifying light colors, and colors on a sectional chart, before having their first flight physical. Since females usually do not possess color vision deficiency, they might be a good counterpart. You probably are familiar with the test at the medical examiner's office – and can find similar samples online.

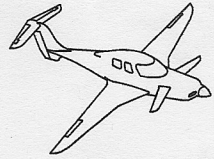
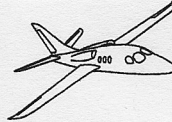
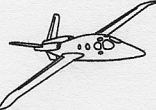
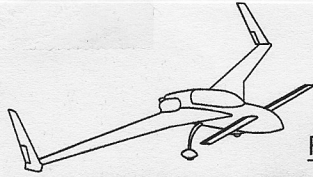
Color vision deficiency, often called “color blindness,” is more common in males than in females. Females are not exempt – it can happen to us too, but it's uncommon. Anyone who is or who aspires to be a pilot will need to pass the FAA aviation medical exam, which includes the ability to correctly identify colors. Oftentimes this comes as a complete surprise to someone who is brand new to aviation and experiencing their very first aviation medical

exam. Even experienced pilots discover this phenomenon when they get a physical from a different aviation medical examiner. Their newly issued medical certificate contains a limitation saying, “Not valid for night flight or by color signal control.”

The pilot or applicant is now trying to figure out if they will be able to get their pilot certificate at all, or be able to fly for an airline. They call the FSDO with confusion and worry, and are instructed on how to request a color vision test from the FAA Aerospace Medical Certification Branch in Oklahoma City.

The instructions and description of the FAA medical flight tests and color vision tests are contained in FAA Order 8900.1, Volume 5, Chapter 8, which can be searched online (such as Google), or go to the link: <http://fsims.faa.gov> Applicants for third class medicals with the color vision limitation are required to take only the two ground-based

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RAF/SCALED COMPOSITES CROSSWORD PUZZLE

A crossword puzzle grid with 15 columns and 20 rows. The grid is filled with black squares and white squares. The white squares are arranged in a complex pattern that allows for 105 numbered starting points for words. The numbers are as follows:

Number	Row	Column
1	1	1
2	13	1
3	2	1
4	2	4
5	2	10
6	13	6
7	3	1
8	10	8
9	16	2
10	8	3
11	4	9
12	17	3
13	2	13
14	3	14
15	15	1
16	10	5
17	1	17
18	13	2
19	4	11
20	5	1
21	16	4
22	13	7
23	10	10
24	3	8
25	3	14
26	17	14
27	10	11
28	16	11
29	8	18
30	16	13
31	17	11
32	17	14
33	18	1
34	18	1
35	17	1
36	3	16
37	4	16
38	10	16
39	13	14
40	16	10
41	17	10
42	1	42
43	17	11
44	8	12
45	16	4
46	3	17
47	17	17
48	3	18
49	4	12
50	18	2
51	17	18
52	3	2
53	17	19
54	2	13
55	10	12
56	18	7
57	10	19
58	3	19
59	17	19
60	18	6
61	10	16
62	17	12
63	17	19
64	18	9
65	18	10
66	16	12
67	16	14
68	13	15
69	13	3
70	10	13
71	18	17
72	13	7
73	18	18
74	4	17
75	1	75
76	10	17
77	13	8
78	4	18
79	19	1
80	18	19
81	18	10
82	1	82
83	18	11
84	13	3
85	13	8
86	17	1
87	17	19
88	1	88
89	16	10
90	19	11
91	18	18
92	16	3
93	8	13
94	17	10
95	8	14
96	10	17
97	3	19
98	19	16
99	17	10
100	17	10
101	8	1
102	13	6
103	13	1
104	18	1
105	19	1
106	4	19
107	18	11
108	1	108
109	8	18
110	3	18
111	5	11
112	16	14
113	3	19

## CROSSWORD PUZZLE CONTEST

### \$100 CASH PRIZE

ALL SUBMISSIONS MUST BE RECEIVED BY MICHAEL SCHRATT NO LATER THAN 12:00 MIDNIGHT CST DECEMBER 1ST, 2010 (FIRST CORRECT PUZZLE SUBMISSION WINS)

MICHAEL SCHRATT  
425 W. RIO SALADO PKWY. UNIT 111  
TEMPE AZ, 85281  
815-814-2145  
EMAIL: auroracad5@aol.com

#### ACROSS

1. HELPED BURT START RAF WITH A \$15,000 LOAN
2. COUNTED ALL THE LONG EZ'S AT OSHKOSH
3. DEFIANT NAMED AFTER THIS
7. GA JUST GOT THIS
9. BURT'S BRAINSTORM BEACH BUDDY
10. DICK RUTAN HAS THIS
11. GA'S PUBLIC ENEMY #1
12. GIVEN TO DICK JUST BEFORE VOYAGER TAKE-OFF
13. BURT'S PATENT
15. RUSSIAN SEA SKIMMER
16. PISTON ENGINE INSTALLATIONS ARE THIS
19. SHOULD BE ROUND IN FRONT AND SHARP IN BACK
20. DEFIANT DESIGN APPROACH
21. FLIGHT CONTROL LATER ADDED TO VARIEZE
23. LONG EZ MADE FROM THIS
24. DEFIANT FIRST SHOWN HERE
25. EARLY LONG EZ FLIGHT CONTROL LATER REMOVED
26. HELPED BUILD THE VOYAGER
27. DONATED WHEELS TO VOYAGER PROJECT
28. TIME TO BUILD 85% SCALE POC STARSHIP
31. WORLD'S PREMIER AERODYNAMICIST
33. THE POND RACER WAS BUILT IN MIKE'S " \_\_\_\_\_ "
34. BURT'S MAILBOX
37. NOTHING TO DO IN MOJAVE BUT THIS
38. MECHANICAL ENGINEER'S ANSWER TO FLIGHT
41. THIS MAN "BLEW IT"
43. AL GORE BORN NINE MONTHS AFTER THIS
44. BUILT NEURALIZER USED ON OSHKOSH 97 AUDIENCE
46. WE ARE WIDEST AT OUR " \_\_\_\_\_ "
47. ORIGINAL VARIEZE PROTOTYPE
50. ONLY TIME BURT SHOWED EMOTION
52. HAS THE MOST ADVANCED WING IN GA
57. BURT CALLED THIS FILM A "DOCUMENTARY"
58. ELIMINATED 130 LBS ON DEFIANT BY USING THESE
63. BURT'S SHOE-STRING BUDGET TEST DEVICE
65. LARGEST CARBON FIBER COMPOSITE AIRCRAFT
67. PREVENTS THE GROWTH OF GA
68. GOV. THOUGHT BID FOR THIS BIRD WAS A "MODEL A/C"
71. ORIGINAL VOYAGER CONCEPT LAID OUT ON THIS
72. \_\_\_\_\_ BIRDS FOR YOUR PLEASURE
73. DEVELOPED WINDMILL BLADES FOR THIS CORP.
75. TWICE AS FUEL EFFICIENT AS THE CITATION
77. FINANCED BY DR. WILLIAMS
78. UTILIZES "ELEPHANT EAR" AIR INTAKES
79. DESIGNED TO BEAT "R.B."
86. MADE FIRST FLIGHT IN STARSHIP PROTOTYPE
87. \_\_\_\_\_ SAIL
89. "MEAT SERVOS"
90. CAD PROGRAM USED BY SCALED (INITIALS)
94. FLEW THE FIRST FLIGHT OF THE VANTAGE
98. PREVIOUSLY CALLED THE "CARBON AERO"
101. TWO TYPES OF GA ENGINES: \_\_\_\_\_ AND EXPENSIVE
103. LOW DRAG CLASS AIRFOIL
105. DESIGNED TO BE FLOWN BY REMOTE CONTROL
110. \_\_\_\_\_ TRIM CHANGE
111. PLACE WHERE VOYAGER WAS BORN: MOJAVE \_\_\_\_\_

#### DOWN

4. THE "F" WORD
5. NAMED THE VOYAGER
6. NASA ACRONYM
8. REVOLUTIONARY PROPULSION SYSTEM FOR GA
14. "THEY GIVE US \_\_\_\_\_ WRITING FOR WEATHER"
17. \_\_\_\_\_ PROTEUS FRONT VIEW PHOTO
18. VARIVIGGEN FEATURED IN THIS FILM
22. VARI EZE USED THESE FIRST
29. BIGGEST TRAVESTY TO GA SAFETY
30. POSITION OF PROMINENCE
32. THE "R" WORD
35. LOCATION OF ARES FLIGHT TEST PROGRAM
36. BURT'S FAVORITE SPACECRAFT
39. NATURE DOESN'T USE THESE
40. DATE OF BURT'S UFO SIGHTING
42. CAN'T MAKE A LOW DRAG PUSHER WITHOUT THIS
45. BURT'S CAR "NICKNAME"
48. RUSSIAN PEOPLE ARE THIS
49. BURT'S PATENT
51. DEFIANT DOESN'T HAVE THESE
53. BUILT FOR FIJI AIR
54. FEATURED IN IRON EAGLE 3
55. BURT'S FAVORITE AIRPLANE
56. KEY TO UFO PROPULSION/SPACE TRAVEL
59. DEFIANT SAFETY FEATURE
60. IF YOU THINK THE SKIES ARE CROWDED " \_\_\_\_\_ "
61. NICKNAME FOR MODEL 143
62. "THE SOUND OF FREEDOM"
64. TOWED THE SOLITAIRE DURING TEST FLIGHTS
66. CATBIRD HAS TWO OF THESE
69. IN-FLIGHT FIRE CAUSED HEADACHE ON THIS BIRD
70. NEW MODEL MADE OUT OF LAST YEAR'S PARTS BIN
74. MATERIAL USED IN MODEL 40
76. SPACE AGE PIPER CUB DESIGNED BY BURT
78. EARLY NICKNAME FOR THE DEFIANT (LETTERS)
80. LANDING GEAR IS PRIMARY WING ON THIS BIRD
81. THIS WILL EVENTUALLY MAKE AIR-TRAVEL OBSOLETE
82. REPORT FROM \_\_\_\_\_ MOUNTAIN
83. # OF DRAWINGS USED TO DESIGN THE VOYAGER
84. "IT'S SILLY TO DO THINGS BECAUSE OF \_\_\_\_\_ "
85. CREATIVITY \_\_\_\_\_
88. FOUND ON EARLY SCALED STAFF PHOTO
91. ORIGINAL TOYOTA GA PROTOTYPE DESIGNATION
92. DEVELOPED PLANS FOR THE DEFIANT
93. LOCATION OF ALIEN "GREY" HEAD ON BOOMERANG
95. ONE OF FOUR PILOTS TO FLY THE POND RACER
96. \_\_\_\_\_ MORNING SESSIONS
97. CANARD AIRCRAFT HAVE THIS
99. DID THE VOYAGER FLIGHT ON ONE ENGINE
100. LOCATION OF VOR ANTENNAS ON CATBIRD
102. BURT'S VENDETTA
104. MODEL 77 POWERPLANT
106. MODEL 191 POWERPLANT
107. MODEL 316 "SAVING GRACE"
108. PROJECT SENIOR CJ \_\_\_\_\_ MODEL
109. KEY TO VOYAGER'S SUCCESS (FRENCHMAN'S FIRST NAME)
112. DESIGNED THE LAST THREE FEET OF VOYAGER'S WING
113. "CONFIDENCE IN \_\_\_\_\_ "
114. QUICKIE POWERPLANT

components. Those would be the signal light test, and the ability to read and correctly interpret in a timely manner aeronautical charts, including print in various sizes, colors, and typefaces; conventional markings in several colors; and terrain colors. Aeronautical chart reading may be performed under any light condition where the chart will normally be read. The FAA inspector or AST provides the chart.

The signal light test requires the applicant to correctly identify the light gun colors from an Air Traffic Control Tower. What are the aviation colors up there? And for correctly identifying colors on an aviation sectional chart, one must know what the official color names are in the first place! Someone who has color vision deficiency would have trouble identifying white vs green lights, and identifying gray or blue lines on a sectional chart. Why not find out before making the appointment at the medical examiner's office!

### **EAA CHAPTER 538 POKER RUN**

Carlos Hernandez is the Leroy Castle EAA Chapter 538 Poker Run coordinator. He wants to get the word out early to inform you that they will once again be holding an Aviation Poker Run. By popular request, the Poker Run has been moved up into the Spring. The new date is Saturday March 26th, 2011. All the information can be found on the website at [www.eaa538.org](http://www.eaa538.org) and go to the Poker run page.

They are inviting all EAA and NON-EAA members to come out and have some flying fun with them. What better excuse to start off spring and the 2011 flying season! Carlos can be reached at [carlosh@sec-engr.com](mailto:carlosh@sec-engr.com) or on his cell 623-810-5675.

### **NEW YEAR'S RESOLUTION**

*By Curtis Clark*

After flying all over this great country in various planes it really hit home when one of our guest speakers from last year, Steve Lund, talked about the importance of having a personal survival kit with you at all times. This year my resolution is to put together his recommended minimum kit and keep it in the plane at all times. Besides good luck a little planning goes a long way in surviving an off airport landing.

1. Flashlight with extra batteries.
2. First Aid Kit (Bandages/bandaids, antiseptic, aspirin/pain remedy, etc.)
3. Flares
4. Matches
5. Knife
6. MREs (two minimum)
7. Water
8. Signal mirror
9. Whistle (for signaling)
10. Firearm
11. Hat
12. Jacket/windbreaker
13. Space blanket

### **Thunderbird Field EAA Chapter 1217. Contacts**

President	Curtis Clark	602 953-2571	<a href="mailto:EAAChapter1217@aol.com">EAAChapter1217@aol.com</a>
Vice President	Terry Emig	520 836-7447	<a href="mailto:dprez@cactusflyin.org">dprez@cactusflyin.org</a>
Secretary/Treasurer	Jack Pollack	480 525-1885	<a href="mailto:Jack.Pollack@Analyticalgroup.com">Jack.Pollack@Analyticalgroup.com</a>
Newsletter Editor	Ron Kassik	480 948-0168	<a href="mailto:ronkassik@cox.net">ronkassik@cox.net</a>
Technical Counselors	Dan Muxlow Jim Berdick	480 563-4228 623 293-2708	<a href="mailto:N27DM@cox.net">N27DM@cox.net</a> <a href="mailto:Berdick@q.com">Berdick@q.com</a>

# ThunderAds

## **FOR SALE, ETC.**

### **THREE-BLADE PROP SHIPPING BOX**

Previously used for a MT prop for a Velocity. Will fit most normal size 3-blade props. Available to anyone who needs to ship a prop. Matt Bucko  
[mbuc310@cox.net](mailto:mbuc310@cox.net)

### **LANCAIR 360**

200 hp Cruise over 210 kts. TTAF 300 hrs. 7.7 gph @ 13,000 ft. Two time EAA Award Winner: 2004 Sun-n-Fun & 2004 Copperstate. Always hangered at home or on trips. All records, log books, invoices, and build photos. Professionally built, assisted by Chuck Brenner. \$129,000. or trade for a Bonanza. Contact Gary Heckler 602-320-4770

### **2009 LANCAIR 360**

Superior IO-360 engine, TTAFF 20 hours, mineral oil, every thing new including paint, GPS, loaded must see. Fred 480-661-6613

### **PARTS**

Fuel pump core, 23psi, Dukes Inc total time 18 hrs. Inline fuel filter, 3/8", Performance Mfg, tt 18 hrs. Slick magneto model 4771, tt18 hrs. Fred 480-661-6613

### **1995 JABIRU ST**

Two place, 3300 cc Engine, 10 hrs. Total Time  
Make Offer Al Ross cell: 602-320-7498

### **CESSNA 175 Skylark**

TTSN 3,304hrs Franklin O-350 220 HP TTSN 355 hrs. Constant speed prop TTSN 355 hrs. Take off full gross 300 ft, climb out 1400 fpm. Hangared at AVQ \$59,000. (accepting offers) Bill Braden 520-682-7285  
[billw7xh@gmail.com](mailto:billw7xh@gmail.com)

### **1980 SUPERCUB PA 18**

150 Lyc, TT 960 hrs, TOH 80 hrs, New lcom 210, Intercom Transponder King KT76A. External Baggage Seaplane Kit \$85,000. Don Meloche 928-951-4635, Cell 619-838-2410 E-mail [winslow42@cox.net](mailto:winslow42@cox.net)

### **1979 CESSNA 182Q**

Arizona Airplane on SDL Tie Down K137, TT 3500 hrs, Engine 1262 hrs SOH, recent interior upgrades & wing tip replacement. Bill Maxey 602-820-5722  
[maxeybill@hughes.net](mailto:maxeybill@hughes.net)

### **GRENGA GN-1 AIRCAMPER PROJECT**

Biplane conversion but can be switched to a parasol. Fuselage covered and Elizado Tigre engine installed. \$6,000. Estate sale. Contact Lesley Morgan 480-834-4831 or e-mail Curtis at [EAACchapter1217@aol.com](mailto:EAACchapter1217@aol.com) to receive a digital slideshow of the plane.

## **SERVICES**

### **HOMEBUILT AIRCRAFT CERTIFICATION**

ABDAR Gary Towner 928 535-3600

### **FLIGHT INSTRUCTION- BFR'S**

Alan Trabilcy [alantrabilcy@yahoo.com](mailto:alantrabilcy@yahoo.com),  
480-747-0349 m or 480-948-1747 h

### **PROP BALANCING, ANNUALS, PREBUYS**

Jim Berdick AI 623 293-2708

### **ANNUALS, RESTORATIONS, FABRIC WORK**

Eloy Airport Julie White 520-466-3442

### **AIRMEN PHYSICALS**

Dr. Henry Givre AME, Chapter member and RV-4 owner. 520-836-8701

### **AIRCRAFT PHOTOGRAPHY**

Mike O'Connor [CrashOConnor@aol.com](mailto:CrashOConnor@aol.com)  
480-515-5105

### **BFR'S**

Fred Lloyd 602-793-6637

### **MACHINE SHOP**

High quality parts fabrication for homebuilts at a reasonable price. David Leverentz 520-898-4321

### **AIRCRAFT INTERIORS AND COVERS**

No job to small! Kim 480-396-0688  
[interiors@airwestinc.com](mailto:interiors@airwestinc.com)

*Plenty of room for new Ads,  
How about submitting yours.*

**Want to see your aircraft-related ad  
here in the Thunderword?**

**Send an E-mail to:  
[EAACchapter1217@aol.com](mailto:EAACchapter1217@aol.com)**

**Thunderbird Field  
EAA Chapter 1217  
5450 East Voltaire  
Scottsdale, Arizona 85254**

