NEWSLETTER

P.O.Box 1673, Costa Mesa, Ca. 92626

President ******** Gordon Ritschke - 548-1806
Vice Pres.******** Jim White ------- 962-5608
Secretary ******** Gary Peterson --- 556-0270
Treasurer ******** Frank Chasteler - 545-2185
Contest Director * Phil Harris ----- 962-3078
General Director * Lee Renaud ------ 546-2551
Editor ********** Neal Taub ------- 847-4979

********* Volume 15 Number 4**********~~March~~ APRIL 1978 **********

**********APRIL MEETING **********

The April meeting will be held on April 5, at the California School,3232 California st. ,Costa Mesa.We will have A great meeting, because Robert Liebeck,the Aeronautical engineer,will give us A talk on subsonic airfoils, and the like. For more imformation,see attached sheet.

**********APRIL CONTEST **********

The April contest will take place on April 9, at Estancia High School. It will consist of A H.S.S. , P.S.A challenge meet. There will be three rounds of seven minute precision duration. Please come out and defend our honor against those turkeys!!

**********MARCH CONTEST RESULTS **********

1)Frank Chasteler	2677 1000		8)Bob Renaud	1735	
2) Jim White	2674		9)Kaye Lake	1689	
3)Phil Harris	2550 953		10)Tim Renaud	1684	
4)Kirk Hanson	2352		11)Mike Muncey	1618	
5)Gary Peterson	2282		12)Leo Lake	1360	
6)Gordon Ritschke	2267		13)Sam Stephin	1189	
7)Don Endicott	2028		14)Scott Miller?	490	183

**********FOR SALE **********

'75 Kraft Three channel,72.400,dry,$65. Phil 962-3078

Futaba six channel,clean,$80/ best offer. Neal 847-4979

Several built planes for sale.Call for details. Bob 870-7637

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TREASURER'S REPORT

Beginning balance	267.47	325.97
income	40.00	35.00
expenses	47.50	24.64
membership	66.00	16.00
Ending balance	$325.97	352.33

**********PRESIDENT'S CORNER **********

Here we are into the fourth month of the year, and only one contests count towards the sweepstakes and the radio.That is the contest held in March.I had better explain that.At the steering committee meetinf ,we voted that the February contest would not count,because of all of the confusiom that followed the contest.So the board voted that contest nullified.We also worked on rules concerning the rescheduling of rained out contests.These things will be discussed at the meeting.

Phil had A good contest in March, and we tried the two metre contest also. It did not work out however, because there was only one en try.Kaye Lake won the two metre trophy,and for the second time,she was in the winner's circle.

After the March meeting,we had A very interesting live demanstration on Mono-Kote application by Lee Renaud.For April, we will also have A good one ,because Robert Liebeck is coming to talk about airfoils.So bring all your friends,even if they are not club members.

For A reminder to those who would like to fly at mile square, there are A few cards left. All they cost is one thin dime.

SEE YOU AT THE MEETING,

Gordon

Uncle Charlie (aka the FCC) Needs Your Help This Year

By JOHN D. McCLAIN

WASHINGTON (AP) — Hey, CBers, Uncle Charlie needs a break.

He wants to tell us, again, that our CB licenses are free, and to ask that we quit inundating him with money he doesn't want.

Despite an announcement a year ago, and subsequent reminders that no money should accompany license applications, he's still being swamped with checks, money orders and cash.

And while he struggles to refund those fees, he's wrestling with another problem: how to refund millions of more dollars in fees collected during the last six years.

Uncle Charlie, of course, is the Federal Communications Commission.

"Will you help us solve a problem?" John B. Johnston, chief of the FCC's Personal Radio Division, wrote recently in "An Open Letter to the CB Community."

"We are being flooded with CB fees that we must return."

The FCC stopped charging license fees a year ago after a federal court ruled the commission was charging too much and must create a new fee structure.

At the same time, the court said the FCC must refund all fees collected between 1970 and 1976. An estimated $163 million, much of it collected from CBers, is at stake.

But the fees keep rolling in.

"We are being swamped with money that we must return," Johnston wrote. "Some folks think they can help us by sending in the fee, even though it is not required," he added. "Others are confused because millions of old CB applications and temporary permits are still around asking for the $4 fee."

But the need to refund those fees, Johnston said, is "complicating our ability to get CB licenses processed."

Meanwhile, the FCC continues to wrestle with the problem of returning the $163 million in previous fees the court ruled were illegally collected.

Officials say they believe they can devise a refund program by May for those who paid fees over $20. That involves some 270,000 licensees who paid about $85 million.

But the big problem involves refunds to 10½ million people who paid between $4 and $20 for their licenses. This category includes CBers and amateur radio operators.

The FCC has been told that, even if only half of those licensees asked for refunds, it would require processing 25,000 requests a day for nearly a year.

It was told it would require 40 extra staffers and cost $800,000 the first year just to refund those fees over $20. No one could say how much it would cost to refund the smaller fees.

But while it wrestles with that problem, the unwanted fees continue to roll in. Thus, Johnston's letter to CB retailers, magazines and newsletters and various organizations.

"You can help us and every CBer by spreading the word again," he wrote.

And he enclosed several posters to help spread that word:

"Do not send money — do not send cash, money orders, or personal checks — fees are not required with CB license applications."

L.A.HERALD EXAMINER ** FEB. 11, 1978

DESIGN OF SUBSONIC AIRFOILS FOR HIGH LIFT

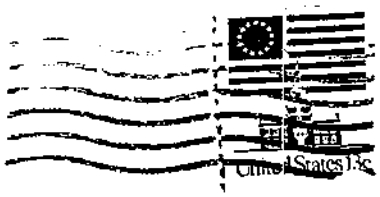
Over the past several years, a unique approach to subsonic airfoil design has been developed at the Douglas Aircraft Company which results in significant performance improvements for specified applications. The theoretical analyses have been validated by several independent wind tunnel tests, and commercial applications of the concept are currently under development. The basic method is an analytical technique which defines an optimized pressure distribution for a given set of design conditions, i.e., Reynolds number, lift coefficient, and anticipated extent of laminar flow. An inverse airfoil design program is then used to determine the corresponding airfoil shape.

This method has been applied to a wide variety of airfoil design problems including multi-element airfoils. A description of the basic theory together with wind tunnel results obtained at Douglas will be presented. In addition, examples of practical applications which include long endurance aircraft wings, propellers, windmills, and race car wings will be described.

Robert H. Liebeck

Dr. Liebeck originally joined Douglas Aircraft, Missile and Space Systems Division in 1961. As an aerodynamics engineer, he worked primarily in the area of applied research in wing theory. In 1967, Dr. Liebeck transferred to the Douglas Aircraft Compamy as a Senior Scientist, involved in basic research on subsonic wing and airfoil analysis. In addition to his theoretical development and wind tunnel testing of advanced airfoil designs, he is project aerodynamicist for several advanced design military airplanes. Dr. Liebeck has two patents pending on low-speed airfoil design. He is involved in several outside consulting activities including the design of race car wings, and is responsible for the wings used on over three-fourths of all Indianapolis race cars. He was employed by the Aeronautical and Astronautical Engineering Department at the University of Illinois as an instructor, and has taught in the Graduate Schools at the University of California at Irvine and California State University at Long Beach. He is currently an Adjunct Professor of Aerospace Engineering at the University of Southern California, teaching a course in airplane design. Dr. Liebeck received his BS, MS, and Ph.D in Aeronautical Engineering at the University of Illinois. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics, and a member of Sigma Tau, Sigma Gama Tau, and Sigma Xi honorary faternities.

Harbor Soaring Society
P.O. Box 1673
Costa Mesa, Ca. 92626



Application for Membership in the HARBOR SOARING SOCIETY, 1978

Name_____ Address_____

City_____ State____ Zip_____ Phone( )_____

AMA Number_____ (Required for Membership) F.C.C._____

Mail to: Harbor Soaring Society	Fees: Senior (18 & over) _ _ _ _ _ _ $8. _
P.O. Box 1673	Junior (17 & under)_ _ _ _ _ _ $2.50
Costa Mesa, Ca. 92626	Special Junior (Family member) $1.00

Duane Barnes
17132 Newquist Lane
Huntington Beach, Ca.92649
846-6467

Dale Black
2018 Lemnos Dr.
Costa Mesa, Ca.92626
540-6147

Buck & Bob Bruce
152 Via Undine
Newport Beach, Ca.92663
673-2319

Frank Chastler
1772 Iowa St.
Costa Mesa, Ca. 92626
545-2185

Eric Conrad
2006 Swan Dr.
Costa Mesa, Ca. 92626
546-3312

Mike Costello
18480 Bandilier Cir.
Fountain Valley, Ca.92708
963-9881

Bill Davidson
21861 Seaside Lane
Huntington Beach, Ca.92646
968-5428

Tracy Day
21652 Dirigo Cir.
Huntington Beach, Ca.92646
962-6137

Ray Downs
2400 Elden #12
Costa Mesa, Ca. 92627
642-9857

Don Endicott
12421 Amethyst St.
Garden Grove, Ca. 92645
892-9557

Jim Garrott
17711 Van Buren "A"
Huntington Beach, Ca.92647
842-7387

Robert Gerbin
2429 Clarke St.
Fullerton, Ca. 92631
820-7637

Bob Goff
1001 W. Stevens St. #272
Santa Ana, Ca. 92707
546-8529

George Griffin
989 Dahlia Ave.
Costa Mesa, Ca. 92626
751-8122

Kirk Hanson
9122 Kapaa Dr.
Huntington Beach, Ca.92646
968-2620

Phil Harris
21551 Brookhurst #20
Huntington Beach, Ca.92646
962-3078

Mel Hitchcock
928 S. Bewley
Santa Ana, Ca. 92704
554-3932

Joseph Jones
18514 Santa Tomasa Cir.
Fountain Valley, Ca.92708
968-1982

Tom Jones
1050 Foothill Bl. Box 126
San Luis Obispo, Ca.93401
(805) 544-0560

Steve Kendall
2843 Clubhouse Rd.
Costa Mesa, Ca. 92626
549-2442

Kaye Lake
25902 Via Pera
Mission Viejo, Ca. 92675
581-0814

Leo Lake
25902 Via Pera
Mission Viejo, Ca. 92675
581-0814

Leo Lenar
206 E. 15th St.
Costa Mesa, Ca. 92627
548-2033

Bob Longstreet
6582 Acacia
Garden Grove, Ca. 92645
898-2980

Scott Miller
810 Congress St.
Costa Mesa, Ca. 92627
548-8609

Ron Milligan
21062 Manessa Cir.
Huntington Beach, Ca.92646
968-8697

Mike Muncey
9912 Dragon Cir.
Huntington Beach, Ca.92646
962-5736

Matt Ontko
3261 Dakota Ave.
Costa Mesa, Ca. 92626
546-1715

Ernest Payne
2414 S. Ramona Dr.
Santa Ana, Ca. 92707
545-3521

Gary Peterson
1805 W. Camden Pl.
Santa Ana, Ca. 92704
556-0270

Paul Reid
1705 S. Poplar St.
Santa Ana, Ca. 92704
557-7929

Lee, Tim, & Bob Renaud
5082 Harcum Lane
Irvine, Ca. 92715
752-7611

Peter Richardson
933 Magellan St.
Costa Mesa, Ca. 92626
556-7151

Gordon Ritschke
1549 Orange Ave.
Costa Mesa, Ca. 92627
548-1806

Dick & Randy Ritschke
880 Governor St.
Costa Mesa, Ca. 92627
646-1901

Jim Russell
2203 N. Baker
Santa Ana, Ca. 92706
543-7933

Dick Satterlee
2049 Vista Cajon
Newport Beach, Ca. 92660
833-0242

Robert Schumaker
1887 Monrovia Ave. #15
Costa Mesa, Ca. 92627
646-2913

Rodman Smith
P. O. Box 2134
Escondido, Ca. 92025
747-4045

Morris Smith
2024 Continental
Costa Mesa, Ca. 92627
548-5353

Carlos Stemen
9161 Regatta Dr.
Huntington Beach, Ca.92646
968-4573

Sam & Chip Stephens
9679 Durham
Huntington Beach, Ca.92646
964-2175

Neal Taub
6021 Palo Alto
Huntington Beach, Ca.92647
847-4979

Bob Thacker
1703 Calle Maria
San Clemente, Ca. 92672
492-8786

Richard Vinyard
17701 Collie Lane
Huntington Beach, Ca.92647
842-5170

Jim White
19372 Worchester Lane
Huntington Beach, Ca.92646
962-5608

Mike Beck
9731 El Portal Cir.
Fountain Valley, Ca.92708
968-7883

Mike Martin
17199 Buttonwood St.
Fountain Valley, Ca.92708
962-2886

Loren Ausman
3809 S. Ross St. #A
Santa Ana, Ca. 92707
546-4938

Jim Blahas
10082 Spar Cir.
Huntington Beach, Ca.92646
968-2463

Donald Shirley
6521 El Jardin
Long Beach, Ca. 90815
(213) 596-3719

Ralph Ray
1853 Paros Cir.
Costa Mesa, Ca. 92626
556-1853

League of Silent Flight
P. O. Box 39068
Chicago, Ill. 60639

Academy of Model
Aeronautics (AMA)
815 Fifteenth St., N. W.
Washington, D. C. 20005

Cochella Valley R/Cer's
% Rex Powell
68540 Nightingale Rd.
Cathedral City, Ca.92234

Pasadena Soaring Society
P. O. Box 745
Pasadena, Ca. 91102

Silent Wings Flying Society
% Donald Prosser
4452 Shadydale
Covina, Ca.91722

Hemet Modelmasters
% Dick Erickson
41388 Mc Dowell St.
Hemet, Ca. 92343

San Fernando Valley Silent
Flyers % Dick Schilling
1042 Embury
Pacific Palisades, Ca.

Torrey Pines Gulls
P. O. Box 1564
La Jolla, Ca. 92038

Pacific Soaring Assoc.
P. O. Box 5114
Anaheim, Ca. 92804

Silent Few Soaring Society
% Robert Brantley
12404 Clearglen Ave.
Whittier, Ca. 90604

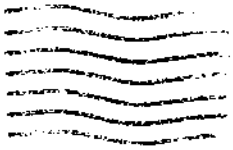
Soaring Union of L. A.
% Jim Smith
1121 S. Hudson Ave.
L. A. Ca. 90019

Inland Soaring Society
11940 Canal St.
Colton, Ca. 92324

Cordova Model Masters
2332 Zinsandel Dr.
Rancho Cordova, Ca.95676
% Joe Little

Lehigh Valley R/C Society
1109 W. North St.
Bethlehem, Pa. 18018
% Thomas Bilheimer

Harbor Soaring Society
P.O. Box 1673
Costa Mesa, Ca. 92626



Frank Chastler
1772 Iowa St.
Costa Mesa, Ca. 92626

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