



NEWSLETTER

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APRIL

***** Volume 15 Number 4*****~~March~~ 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 information, 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 |

*****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

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	325.33

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 meeting, we voted that the February contest would not count, because of all of the confusion 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 entry. 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 demonstration 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 \$900,000 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."

DESIGN OF SUBSONIC AIRFOILS FOR HIGH LIFT

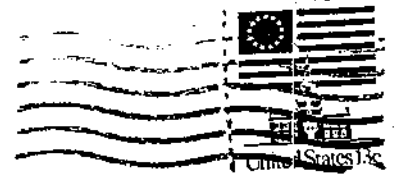
Over the past several years, a unique approach to subsonic airfoil design has been developed at the Douglas Aircraft Company which results in significant performance improvements for specified applications. The theoretical analyses have been validated by several independent wind tunnel tests, and commercial 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 Company 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 Gamma Tau, and Sigma Xi honorary fraternities.

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

Fees: Senior (18 & over) _____ \$8.____
Junior (17 & under) _____ \$2.50
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

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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

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

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21551 Brookhurst #20
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962-3078

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Santa Ana, Ca. 92704
554-3932

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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

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Mission Viejo, Ca. 92675
581-0814

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

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Costa Mesa, Ca. 92627
548-2033

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6582 Acacia
Garden Grove, Ca. 92645
898-2980

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

Ron Milligan
21062 Manessa Cir.
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968-8697

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

Matt Ontko
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Santa Ana, Ca. 92707
545-3521

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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

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support effective decision-making.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and reporting, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that data is used responsibly and ethically.

5. The fifth part of the document discusses the importance of data governance and the establishment of clear policies and procedures. It stresses that a strong governance framework is essential for maximizing the value of data while minimizing associated risks.

6. The sixth part of the document explores the role of data in strategic planning and performance management. It shows how data-driven insights can help organizations identify trends, set goals, and track progress against key performance indicators.

7. The seventh part of the document discusses the importance of data literacy and training for all employees. It emphasizes that having a data-driven culture is essential for organizations to thrive in a competitive market.

8. The eighth part of the document provides a summary of the key points discussed and offers recommendations for further action. It encourages organizations to continuously evaluate and improve their data management practices.

9. The ninth part of the document discusses the future of data management and the emerging trends in the field. It highlights the potential of artificial intelligence, machine learning, and big data to revolutionize data analysis and decision-making.

10. The tenth part of the document concludes with a final statement on the importance of data in driving organizational success. It reiterates that data is not just a resource, but a strategic asset that can provide a significant competitive advantage.

11. The eleventh part of the document discusses the importance of data security and the need for robust security measures. It outlines best practices for protecting data from unauthorized access, loss, and theft.

12. The twelfth part of the document addresses the issue of data privacy and the need to comply with relevant regulations. It discusses the importance of obtaining consent and providing transparency to data subjects.

13. The thirteenth part of the document discusses the role of data in customer relationship management and marketing. It shows how data can be used to understand customer behavior, personalize marketing campaigns, and improve customer satisfaction.

14. The fourteenth part of the document discusses the importance of data in supply chain management and logistics. It highlights how data can be used to optimize inventory levels, reduce costs, and improve delivery times.

15. The fifteenth part of the document discusses the role of data in human resources management. It shows how data can be used to identify talent, improve recruitment processes, and enhance employee performance.

16. The sixteenth part of the document discusses the importance of data in financial management and reporting. It highlights how data can be used to monitor financial performance, identify trends, and make informed investment decisions.

17. The seventeenth part of the document discusses the role of data in risk management and compliance. It shows how data can be used to identify potential risks, assess their impact, and implement effective mitigation strategies.

18. The eighteenth part of the document discusses the importance of data in environmental, social, and governance (ESG) reporting. It highlights how data can be used to track and report on an organization's sustainability performance.

19. The nineteenth part of the document discusses the role of data in innovation and research and development. It shows how data can be used to identify new market opportunities, develop new products, and improve existing ones.

20. The twentieth part of the document discusses the importance of data in public sector management and service delivery. It highlights how data can be used to improve government operations, enhance transparency, and better serve citizens.

21. The twenty-first part of the document discusses the role of data in global business and international trade. It shows how data can be used to understand global market trends, identify new markets, and facilitate cross-border transactions.

22. The twenty-second part of the document discusses the importance of data in the digital economy and the future of work. It highlights how data is driving digital transformation and creating new opportunities for growth and innovation.

23. The twenty-third part of the document discusses the role of data in the healthcare industry and medical research. It shows how data can be used to improve patient care, develop new treatments, and advance medical knowledge.

24. The twenty-fourth part of the document discusses the importance of data in the education sector and learning management. It highlights how data can be used to personalize learning experiences, track student progress, and improve educational outcomes.

25. The twenty-fifth part of the document discusses the role of data in the energy sector and sustainable development. It shows how data can be used to optimize energy consumption, reduce carbon emissions, and promote sustainable practices.

26. The twenty-sixth part of the document discusses the importance of data in the transportation industry and smart infrastructure. It highlights how data can be used to improve traffic management, enhance public transportation, and build smarter cities.

27. The twenty-seventh part of the document discusses the role of data in the agriculture sector and food security. It shows how data can be used to optimize crop yields, reduce waste, and ensure a sustainable and secure food supply.

28. The twenty-eighth part of the document discusses the importance of data in the manufacturing industry and industrial automation. It highlights how data can be used to improve production efficiency, reduce costs, and enhance product quality.

29. The twenty-ninth part of the document discusses the role of data in the construction industry and infrastructure development. It shows how data can be used to optimize construction processes, manage resources, and ensure the safety and durability of infrastructure projects.

30. The thirtieth part of the document discusses the importance of data in the retail industry and consumer behavior. It highlights how data can be used to understand customer preferences, personalize marketing, and improve the overall shopping experience.

31. The thirty-first part of the document discusses the role of data in the media and entertainment industry. It shows how data can be used to analyze audience behavior, create targeted content, and optimize advertising campaigns.

32. The thirty-second part of the document discusses the importance of data in the legal industry and compliance. It highlights how data can be used to manage legal risks, ensure regulatory compliance, and improve the efficiency of legal processes.

33. The thirty-third part of the document discusses the role of data in the insurance industry and risk assessment. It shows how data can be used to assess risk levels, set premiums, and improve claims management.

34. The thirty-fourth part of the document discusses the importance of data in the financial services industry and investment management. It highlights how data can be used to analyze market trends, assess investment opportunities, and provide personalized financial advice.

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968-7883

Mike Martin
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962-2886

Loren Ausman
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968-2463

Donald Shirley
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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

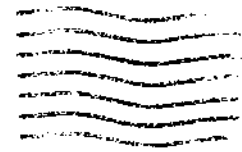
Soaring Union of L. A.
% Jim Smith
1121 S. Hudson Ave.
L. A. Ca. 90019

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

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 P.O. Box 1673 Costa Mesa, Ca. 92626	Fees: Senior (18 & over) _____ \$8.00
	Junior (17 & under) _____ \$2.50
	Special Junior (Family member) \$1.00

The following information is provided for your reference. The information is not intended to be used as a substitute for professional advice. The information is provided as a service to our clients and is not intended to be used as a substitute for professional advice.

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