

# Kitelines

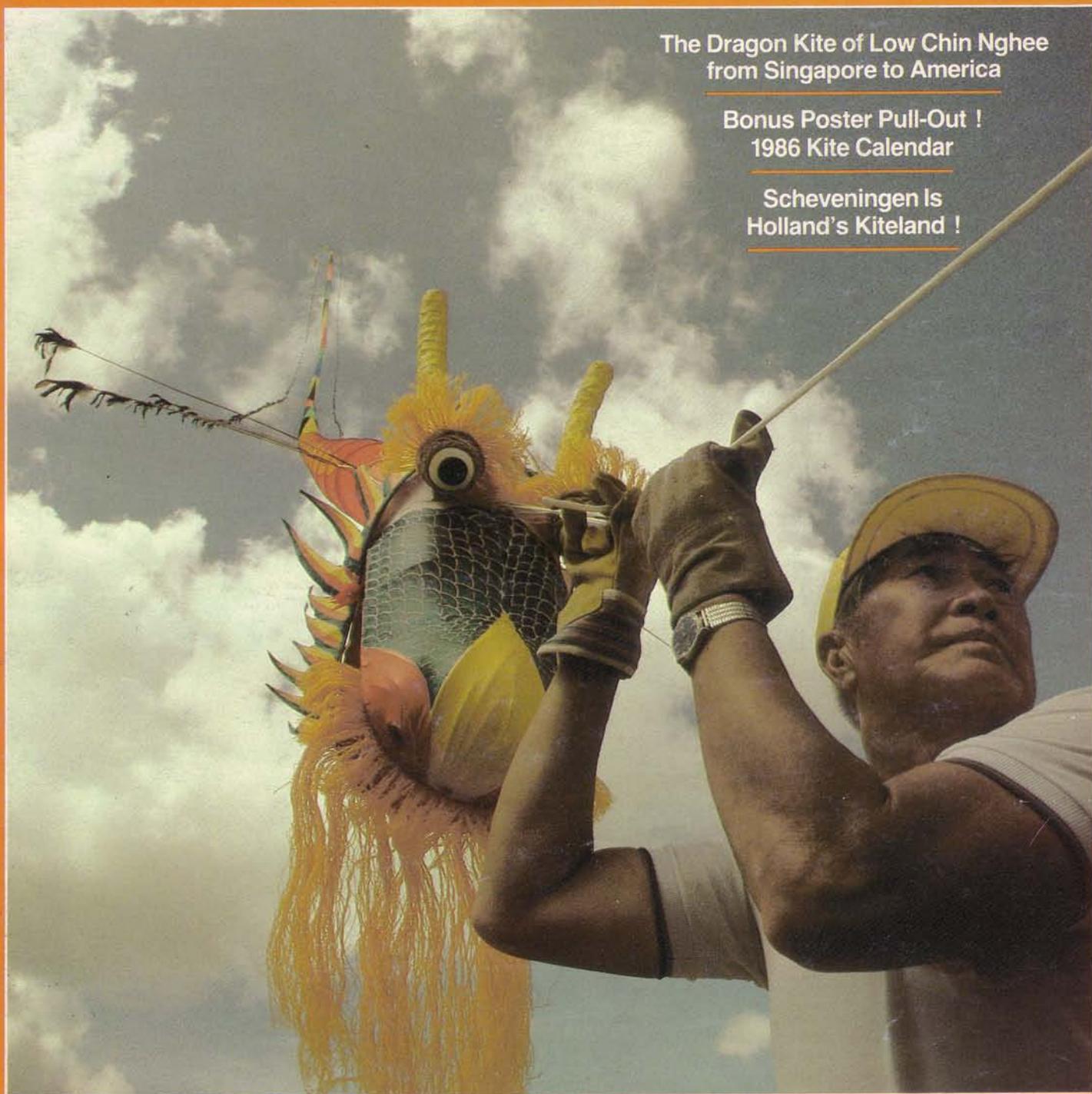
\$ 3.00  
SPRING 1986  
Vol. 6 No. 1

quarterly journal of the worldwide kite community

The Dragon Kite of Low Chin Nghee  
from Singapore to America

Bonus Poster Pull-Out !  
1986 Kite Calendar

Scheveningen Is  
Holland's Kiteland !



# Designer Windsocks™ are beautiful gifts even before they're opened.

Already gift wrapped in their own fancifully designed boxes these windsocks are made for gift-giving. Each is complete with its own gift card.

The Designer Windsocks are meticulously embroidered on nylon taffeta. Twelve designs to choose

from. They are pre-bridled and topped with a brass swivel hook.

Hung in a living room, bedroom or office they become a gift that will be enjoyed for years.

For order information call: (818) 897-2979 or write to Spectra Star Kites®, P.O. Box 3099, 13215 Louvre Street, Pacoima, CA 91333.

**DESIGNER WINDSOCKS**  
Gift wrapped with pride.



70 INCH DESIGNER WINDSOCKS



50 INCH DESIGNER WINDSOCKS



35 INCH DESIGNER WINDSOCKS



A BRAND NEW NAME FOR THE SAME FLYIN' QUALITY

# Pacific Heights

...is the  
brand new name  
of Fabric Design!

Why did we change our name?  
Because "Pacific Heights" truly  
identifies the company we've become: a  
respected manufacturer of kites and wind-  
socks, *and* a leading distributor of the most popular  
brand-name kites, accessories, and toys.

But change of name doesn't mean change of heart! We continue to  
provide the highest commitment to quality and service. . .we continue to  
guarantee satisfaction to retailers for every order, big or small.

Speaking of orders. . .along with our new name, we have new packaging,  
graphics, displays, kite and windsock designs, product lines, incentives—you name it!

**Don't miss out on high flyin' sales and profits in 1986—  
call or write today for our all-new Pacific Heights Sales Kit.**

 **Pacific  
Heights**

P.O. Box 410747  
San Francisco, California 94141  
(415) 550-7155

To order:  
Call TOLL FREE  
800-237-5767

# Contents

Volume 6, Number 1, Spring 1986

## The International Indoor Kite Efficiency Challenge / 26

Sponsored by William R. Bigge and *Kite Lines*. Yes, it's another chance to tax your brain and win fame. Start your thinking now for 1987!

## The 1986 Kite Calendar & Almanac: A Poster Pull-Out / 35

An international compendium for the well-traveled kiter.

Illustrated with photographs from Singapore 1985 by Jacques Fissier.

## Scheveningen Is Kite-land! / 46

Article by Valerie Govig. Photographs by Jacques Fissier. Fokker's international festival in The Netherlands, so huge it's rain-proof.

## A Tale of Two Kite Festivals:

### 1. Long Beach: Easy Pace, Wide Space / 54

By Rick Kinnaird. A week of flying on miles of beach attracts a grand collection of kites and offers the chance to really enjoy them.

### 2. San Diego: Nice Place, Hectic Pace / 57

By Valerie Govig. The AKA convention meets in a pretty spot, and kites fly high—but spirits sag in the meetings.

## Departments

### Letter from the Publisher / 6

### Kite Lines Bookstore / 9

### Letters / 11

### What's New / 14

Reviews of the Altair, the Magic Delta, Martin Lester's Canada Goose, Windborne's Hexagon, the High Fly Kite Co. Rokkaku and Tethered Aviation's Three- and Six-Winged Boxes. Also we review two French kite books, one of them in three editions.

### Design Workshop / 20

The Porous Portable Parakite, by G.T. Woglom and Dan Leigh. Analysis of proportions in an historic two-sticker, with a comment on the curious dating of its patent compared to Eddy's.

### New Department! Tips & Techniques / 22

Spinning disks, a sermon on swivels, and a modified Flexifoil control rod.

### Ultimate Questions: The Singing Line / 24

By Jacques Durieu. A formula relating frequency of line vibrations to line diameter and wind speed, and a sonogram "picture" of line vibration frequencies.

### Empty Spaces in the Sky / 30

Will Yolen, International Kiteflying Champion, dies in Massachusetts at 77. Rick Kinnaird writes a personal appreciation.

### Quickites: The J-(7.5x2), or Foils of a Feather Stuck Together / 32

By Mel Govig. A high-aspect-ratio parafoil can be sewn from two low-aspect off-the-rack models in an hour and 15 minutes.

### ClubWatch / 32

### For the Record / 64

Following up on Guinness's latest, Flexifoil traction and the Longest Kite.

### Best of Show / 71

Kite by Peter Lynn, Photograph by Jacques Fissier.

The Dragonfly and its adventures.

### Classifieds / 72

### Directory of Outlets / 73

## Cover

Low Chin Nghee, Dragon-Maker of Singapore, holds his beast with gloved hands at the Singapore International Kite Festival 1985. The 145 units ripple with color for a distance of about 100 meters (about 330 feet) into the sky. Later in the year, Low and his dragon fly at the Washington State International Kite Festival in Long Beach, then the dragon attends the AKA convention in San Diego, CA (see pages 56-58). Photograph by Jacques Fissier.

## Kitelines

ISSN 0192-3439

succeeding *Kite Tales*

Copyright © 1986 Aeolus Press, Inc.  
Reproduction in any form, in whole or in part, is strictly prohibited without prior written permission of the publisher.

*Kite Lines* is the comprehensive international journal of kiting and the only magazine of its kind in America. It is published by Aeolus Press, Inc., of Baltimore, MD, with editorial offices at 7106 Campfield Road, Baltimore, MD 21207-4699, telephone: (301) 484-6287.

*Kite Lines* is endorsed by the International Kitefliers Association and is on file in the libraries of the National Air and Space Museum, Smithsonian; the National Oceanic and Atmospheric Sciences Administration; the National Geographic and the University of Notre Dame Sports and Games Research Collection.

Founder: Robert M. Ingraham

Publisher: Aeolus Press, Inc.

Editor: Valerie Govig

Associate Editor: Leonard M. Conover

Business Consultant: Kalman Illyefavi

Circulation/Reader Services: Kari Cress

Design and Mechanicals: Irene Mullens and Weston Phipps

International Correspondents: Jacques and Laurence Fissier

### Editorial Advisory Panel:

William R. Bigge	Richard F. Kinnaird
Bevan H. Brown	Nat Kobitz
Paul Edward Garber	Arthur Kurlle
Melvin Govig	Curtis Marshall
Edwin L. Grauel	Robert S. Price
Gary Hinze	Charles A. Sotich
Ray Holland, Jr.	Tal Streeter
A. Pete Ianuzzi	G. William Tyrrell, Jr.
Robert M. Ingraham	John F. Van Gilder
Domina C. Jalbert	

*Kite associations and clubs* are located around the U.S. and the world. *Kite Lines* works for and with all of them and maintains an updated file on them. Write for information about your nearest group.

*Subscriptions to Kite Lines:* In the U.S.A. and possessions, \$11.00 for one year (4 issues), \$21.00 for two years (8 issues); all other countries, \$15.00 for one year, \$28.00 for two years (includes air-lifted service). Foreign drafts must be in U.S. dollars payable through a U.S. bank or the post office. Single copies of current or back issues are available for \$3.00 each from America's finest kite stores or the journal offices.

*Change of address:* Attach or copy mailing label in a letter, giving new address. If mailing label is wrong, please correct it.

*Advertising rate and information sheet* is available upon request.

*Contributions* of information, articles and photographs are always invited. Notification is required if contribution is submitted to any other publication. Return of any material must be requested and a self-addressed envelope with adequate postage provided. First rights reserved in materials published unless otherwise specified. Writers and photographers should request our guidelines before submitting. Accuracy of contents is the responsibility of individual contributors. Diverse views presented in *Kite Lines* are not necessarily those of the editor, staff or advisory panelists.

*Closing dates* for advertising and articles are 8 weeks before publication.

# Fly the exciting, dazzling... GRANDMASTER™ KITE

the ultimate  
state-of-the-art in  
single-line maneuverable  
and dancing kites.



All designs copyright © GRANDMASTER KITES 1977

One-of-a-kind works of art. Each Grandmaster Kite is individually hand-crafted and hand-painted by a master kitemaker and flight-tested by a master kiteflier. The color combinations of each design vary, and new designs are constantly being added to the collection. To maintain quality control, our present production is limited to 3000 kites per year.

But the real joy of a Grandmaster Kite is in the flying. When you get it up and are its master, you will exult in its power — its gentleness — its instant response to your will and artistry — its glorious colors and design enhanced by its beauty of motion. Indian Champion kitefliers have already pronounced the Grandmaster to be the most responsive kite ever made, superior to the fine-tuned fighter kites made in India. But because each kite is made of Mylar™, with a bow of fiberglass rod and bamboo spine. Grandmaster Kites are as nearly indestructible as technology permits.

The Grandmaster is produced in two models: the Competition and the Fast. For the experienced flier, the Competition or the Fast will cover all wind conditions. For the novice flier we suggest beginning with the Fast, then stepping up to the Competition when his or her skills are developed. The two models are the same in size (24x29") and appearance. Only the speed of response varies.

The price: \$21.00, plus \$3.50 per kite for shipping via UPS, insured (Air Freight east of the Miss.). Draw crowds — create excitement — order your Grandmaster Kite today!

Shipment guaranteed within eight days after receipt of order.

To order, fill out form and send today to:

**GRANDMASTER™ KITES**  
P.O. Box 12377 Holladay Park Station  
Portland, Oregon 97212  
(Telephone: 503-255-1785)

**Dealer inquires invited.**

**Note:** Shipping charges apply to USA and Canada only. For foreign orders, please remitt in US dollars and add \$12.00 for Parcel Post Air Freight.

Dear Sirs: Please send me the following GRANDMASTER™ KITE(s): (Please Print)

Quantity	Fast or Competition	Symmetrical or asymmetrical design preference	*Regular price each \$21.00	**Custom order price each \$31.00	Total price
<b>\$3.50 shipping, handling and insurance, per kite</b>					
<input type="checkbox"/> Grandmaster recommended line, 3-ply waxed linen, 1000 feet \$8.00 + 75¢ shipping.			<input type="checkbox"/> Grandmaster recommended reel, \$2.75 + 75¢ shipping.		
Total					

Enclosed is my  check or  money order made payable to Grandmaster Kites.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

\*Regular orders will receive one of the illustrated designs or a new design.  
\*\*To custom order a specific design or specific colors, include \$10.00 each in addition to the regular charge and expect a delay in shipping time.



Grandmaster Kites are sold with an unconditional guarantee. If your Grandmaster does not come up to all of your expectations, just return the kite to us within 30 days for a total refund of your \$21.00.

It's different!  
It's the  
Cloud Teaser in  
3/4-oz. ripstop  
with hardwood spars.

T5 Cloud Teaser I  
33" x 28"; 36" tails  
\$12

check or c.o.d.  
or MC/VISA  
charges accepted

A BIG little kite, the

# Cloud Teaser

is still  
the TALK of kiting!



D32 Rainbow Delta



D10 Delta and M15 "Marshall"



M41 "Marshall"

Cloud Pleasers are uncompromising. Their handcrafting in ripstop nylon and

quality materials means strength and durability. For the serious kiteflier.

## Cloud Pleasers

Bruce and Carolyn Kennington's handcrafted kites: 301-253-3908

26304 Forest Vista Dr. Clarksburg, MD 20871

## Letter from the Publisher

I DON'T KNOW ABOUT YOU, but I find it very hard to believe that 1986 starts the 10th year of publication for *Kite Lines*. I guess this means I should sit down and reflect on this anniversary and maybe make some plans for celebrating at year's end.

Reflecting is not my style. I'm the looking-ahead type, busy doing for tomorrow. But okay, let's get miserable for a

minute and remember the hard times: when we were in debt, but worse—could not figure a way *out* of debt for quite a while. And when the office was a one-person operation and each day I would have to choose whether to handle the daily business (phone and mail answering, billing, bookkeeping) or work on the magazine (writing, editing, typesetting, cutting and pasting). And then there was the time when we tried to unload our association tasks from the magazine by establishing a first true national association to do its part, only to have it embarrass us.

Today those problems are greatly

reduced but not vanished. We are not in debt to anyone now except the "family," the Govigs, whose volunteer time and free rent, for going-on-10 years, have made the magazine possible. Our accountant treats us with respect but we still have to watch the pennies to pay our bills. The *Kite Lines* staff is larger now, but still shorthanded and underpaid. The association pain is less but hasn't gone away.

Whether we are in good or bad shape is a matter of point of view. As with America, where the government is in billions of dollars of debt but Wall Street's denizens are living well, you can say the cup is half-full or half-empty. I'm an optimist, so I say we're lucky to have survived when the odds are poor for a new magazine making it past four years. We've built a journal that is thicker, more colorful, useful and enjoyable than ever, a magazine that mirrors kiting as a sport, even embodies it. Although such resources as we generate we plow right back into the magazine, making ours less profitable than many other kite businesses, we have created something that is its own reward.

My optimism is refreshed these days by our computer. We can do more than ever now. For example, we presently have on disk the most comprehensive lists extant of kite shops, clubs, festivals, books and—our latest—kite patents. We are planning how and when to make these databases available to you, the subscriber. In the meantime, please contact us if you need specific information—maybe we can help.

Looking ahead, we are wondering if we can find any way to fit into our busier-than-ever office some of those extra projects for kilters we've been mulling so long—books, monographs, conferences, kite festival tours—and, yes, something special to celebrate our 10th year at the end of 1986. Readers, we invite your opinions and solicit your ideas! We are here, as always, to serve you. As long as loyal readers like you exist, there will be a *Kite Lines* magazine, because this is your publication.

My optimism is in good supply, but maybe not for wholly rational reasons. There's a kind of ornery streak of happiness in us kitefliers that keeps us forever *looking up*.

*Valerie*

Harm van Veen (left) and Jürgen Thieme (right) talk to your editor in windy, wonderful Holland.



Jacques Fisher



## WRESTLE WITH THE WIND.

Dig your feet in. Lean back. Pull on the control handles.

The SKYNASAUR's® NASA inspired wing design harnesses the wind for incredible lift and speed. Its dual controls allow you to easily steer your SKYNASAUR through any combination of maneuvers. Loops. Sweeps. Figure eights. You can even make it dive into the water and come up flying, shaking the water from it's wings as it climbs back into the sky!

What happens when you slam your SKYNASAUR® into concrete at 60 MPH? Virtually nothing. Because SKYNASAURS have a patented shock-absorbing nosepiece and are built from revolutionary new materials: fiberglass, Zytel®, urethane and hi-performance sailcloth. The result is a miracle, a kite that won't break.

SKYNASAURS are as varied as they are tough. There is a range of colors, patterns and sizes in both recreation and competition models. You can even fly SKYNASAURS in trains, one behind the other on the same set of control lines. While loads of accessories are available, every SKYNASAUR comes with everything you need to start wrestling the wind.

All you have to do is dig in and hang on.

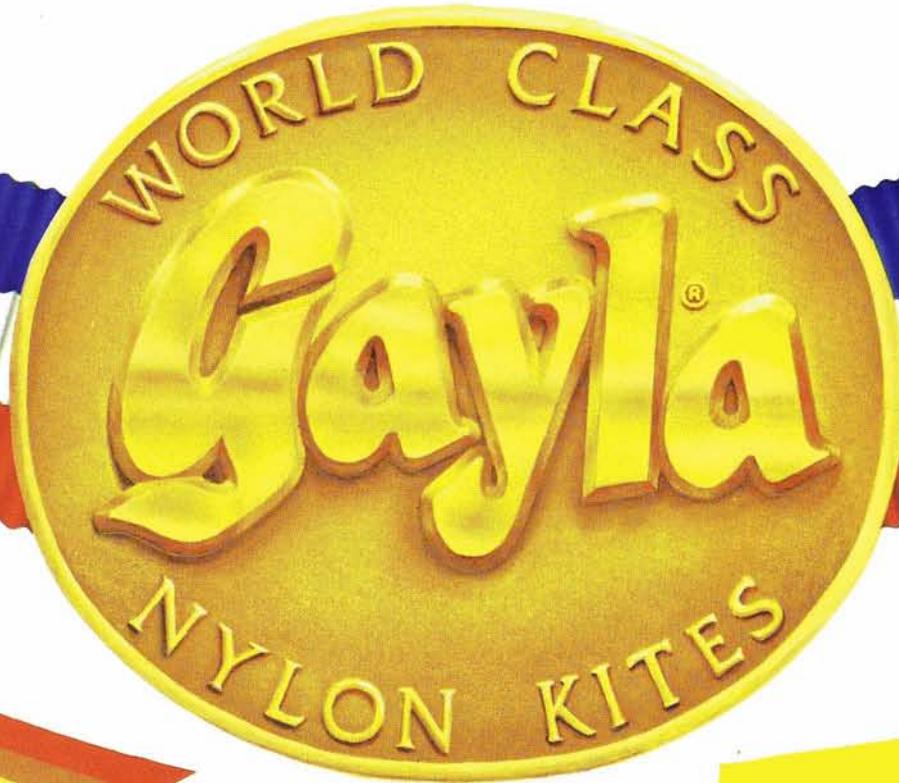
For information and the dealer nearest you, call toll-free 1-800-525-0980 (except Alaska and Hawaii). All dealer inquiries invited. © 1984 SKYNASAUR Inc. 721 Front Street, Louisville, Colorado 80027 USA.

# SKYNASAUR®



# Outstanding Quality and Price!

Presenting

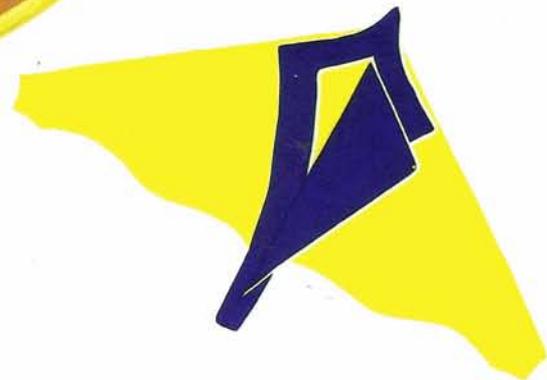


**Exciting  
New  
Designs  
Large  
Selection**

Call  
**1-800-231-7508**  
or  
Your Gayla Representative

Gayla Industries Inc., P.O. Box 920800,  
Houston, Texas 77292-0800

© 1985 Gayla Industries Inc.



# The Kite Lines Bookstore

*serving the kiter's reading needs by mail*

If your nearest kite or book store doesn't have the kite books you want, try us, the Kite Lines Bookstore.

We make a point of carrying nearly all kite titles in print—even some that cost us a lot of trouble and expense to obtain for you.

Our list is not final. It will grow and change as we hunt out new kite books for you. We welcome any suggestions you have for us to improve

our services. How may we help you? Let us know.

We run the Kite Lines Bookstore as a service and this is not to be construed as an endorsement of any title. But we do guarantee your satisfaction with our services. We want you to feel just as if you were in the town bookstore, picking up books and looking them over. When one is wrong for you, you can put it back on our shelf. No questions asked.

We've noted some trends in kite book publishing to take titles out of print and to hike up prices suddenly. We will try to help stem the tide, but we suggest that if you are a serious collector of kite literature, you will be wise not to delay. Snap up the books you want NOW!



## IMPORTS!

From Japan.....*Ship Kites* by Morio Yajima, in Japanese with detailed drawings and 8 pp. of color photos. Softcover, 66 pp., \$9.95

*Magic Kites—Cubic Kites* by Takaji Kuroda, in Japanese with details for the famous convertible boxes and 8 pp. of color photos. Softcover, 72 pp., \$9.95

*Bird Kites* by Shuhei Goto, in Japanese with 36 color photos of lifelike bird kites plus full-size seagull plan. Softcover, 72 pp., \$9.95

*Kite Trains Making* by Eiji Ohashi, in Japanese; many innovations, detailed drawings, full-size plans for two kites and 8 pp. in color. Softcover, 56 pp., \$9.95

*Vented Cellular Kites* by Eiji Ohashi, in Japanese, with 16 color photos. Softcover, 60 pp., \$9.95

*Kite*, Winter '82 special issue of *Bessatsu Bijutsu Techo* art journal, in Japanese, with over 300 color photos, a new cover and clear protective wrap. Softcover, 216 pp., \$11.95

*Create a Kite* by Takeshi Nishibayashi, in Japanese, 8 pp. in color. Inventive! Softcover, 64 pp., \$9.95

*The Happy Kiteflier* by Takeshi Nishibayashi, in Japanese, 16 pp. in color. Softcover, 159 pp., \$5.95



From Australia.....*Make Mine Fly Vol. 1* by Helen Bushell; includes full-size-plan for the Trefoil. Softcover, 40 pp., \$3.95

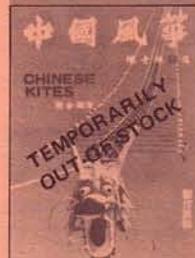
*Make Mine Fly Vol. 2 & 3* (not shown) by Helen Bushell; contains well-tested plans and tips. Softcover, 35 pp., \$3.95

*Kites for Crowds of Kids* by Ed Baxter and Richard Davey; how to do a workshop with plans for 8 kites. Softcover, 24 pp., \$3.95



From Bermuda.....*Bermuda Kites* by Frank Watlington; 5 kites and variations; good drawings. Softcover, 24 pp., \$2.95

From Taiwan.....*Chinese Kites* by Kin Kan and Susan Hsieh, in Chinese and English, large drawings, 12 pp. in color. Softcover, 84 pp., \$11.95



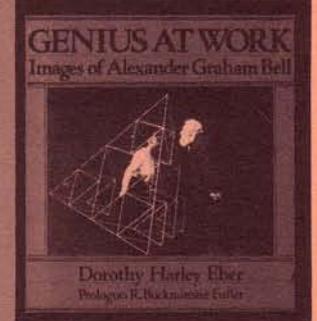
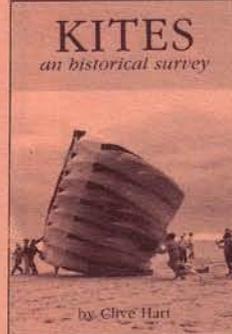
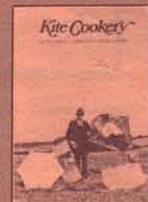
From Hungary.....*Sarkanyepites* by Bodoczky Istvan, in Hungarian, with fine drawings and 24 pp. in color. Hardcover, 207 pp., \$16.95



From The Netherlands.....*Vliegers Zelf Maken* by Harm Van Veen, in Dutch, good details on original kites. Softcover, 111 pp., \$11.95



From Great Britain.....*Kite Cookery* by Don Dunford, easy kites and theories. A bargain! Softcover, 47 pp., \$2.95

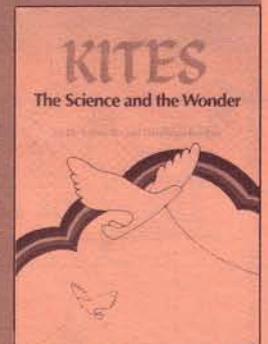


## NOTABLE BOOKS

*Kites: An Historical Survey* by Clive Hart. The recently revised and expanded edition of the definitive history of kites; an invaluable reference work with many illustrations and an extensive bibliography. Softcover, 210 pp., \$13.95

*Genius at Work: Images of Alexander Graham Bell* by Dorothy H. Eber. Rich recollections of Bell and his trials with the tetrahedral kite. A readable narrative combined with 132 classic photographs. Hardcover, 192 pp., \$16.95

*Kites: The Science and the Wonder* by Toshio Ito and Hirotsugu Komura. Despite the frail English translation, this book offers more kite aerodynamics than any other in print; many diagrams. Softcover, 160 pp., \$11.95



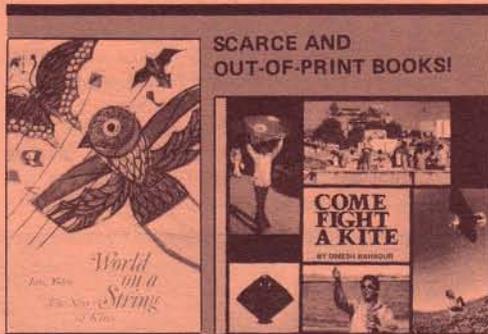
## NEW BOOKS!

*Cerfs-Volants* by Daniel Picon, in French; numerous clear illustrations, delightful color photography, easy-to-read terminology. Includes plans for standard kites plus *le plano*, *le P.T.T.*, *le torpilleur* and cubic variations. Softcover, 80 pp., \$7.95



*Airplane Kites* by Koji Hasebe, in Japanese, with easy, detailed, step-by-step plans for 10 modern aircraft kites: F-4, F-15, F-18, Mirage, Sky Hawk, Concorde, Space Shuttle and more; 6 pages in color. Softcover, 54 pp., \$9.95





SCARCE AND  
OUT-OF-PRINT BOOKS!

**LIMITED SUPPLY:** *World on a String* by Jane Yolen; publisher's last stock of this attractive, carefully written kite history book; many illustrations; 144 pp. hardbound, \$9.95

**OUT-OF-PRINT:** *Come Fight A Kite* by Dinesh Bahadur; the only book devoted to the fun of kite fighting; 56 pp. softbound, \$3.95

**SPECIAL PURCHASE:** *Making & Flying Kites* by Ambrose Lloyd, Charles Mitchell and Nicolette Thomas (not shown). 1979 British reprint; limited supply; 95 pp. softbound, \$5.95



**FLYING BOOK!**  
*Kites to Make and Fly* by David Pelham; contains 10 inventive and sculptural paper kites to cut out and fly; the back cover becomes a reel; entirely in color; oversize (almost 14x18 inches); 50 pp. softback, \$14.95

**FOR THE CHILDREN**  
*Kites for Kids* by Burton and Rita Marks. Cute. Hardcover, 127 pp., \$9.95  
*The Story of the Kite* by Harry Edward Neal. Well researched, colorful. Hardcover, 64 pp., \$9.95



**GREAT CLASSICS**  
*The Art of the Japanese Kite* by Tal Streeter. Profiles of Japan's kite artists; in color. Softcover, 181 pp., \$14.95  
*The Penguin Book of Kites* by David Pelham. Plans for all basic kites; good history. Softcover, 227 pp., \$8.95  
*Chinese Kites* by David F. Jue. Traditional kites; color. Hardcover, 51 pp., \$7.95  
*25 Kites That Fly* by Leslie L. Hunt. Old reliable plans. Softcover, 110 pp., \$1.95



BOOK ORDER FORM

**The Kite Lines Bookstore**

Minimum Order \$10.00

Quan.	Title & Author	Price per Book	Price

For gifts or more titles, please attach a separate sheet.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State, Zip \_\_\_\_\_

Subtotal for Books \_\_\_\_\_

Shipping & Handling \$2.00

MD residents add 5% tax

for foreign air orders send \$5 per book

Our Guarantee Always: You must be satisfied or you may return items within 10 days of receipt for full cash refund. No questions asked.

SHIPPING: Our policy is to ship within 56 hours of order receipt. We notify you of any delay beyond this. We use postal service or UPS as appropriate. Sorry, no CODs. For airmail, add estimated extra.

Make check or money order payable to *Kite Lines*. All foreign orders must be paid in U.S. dollars and through a U.S. bank or by international or postal money order.

**CREDIT CARD CHARGES**

Please charge above order to my credit card:

VISA       MasterCard

Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_ Cardholder's Signature \_\_\_\_\_

TOTAL AMOUNT ENCLOSED \$ \_\_\_\_\_

Charges may be ordered by telephone 10 a.m. to 10 p.m. EST  
Telephone 301-484-6287  
Clip and send to: *Kite Lines*, 7106 Campfield Road, Baltimore, MD 21207, USA.

**BOOKS WRITTEN BY KITERS**

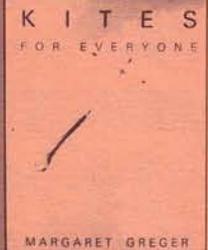
*Kites for Everyone* by Margaret Greger; well-packed collection of 39 easy kites for classrooms or beginners. Softcover, 136 pp., \$10

*Kites Aussie Style* by Wayne Hosking; plastic kites; lots of designs and teaching advice. Softcover, 120 pp., \$6.95

*Flight Patterns* by Leland Toy; unassuming little book with 8 good plans, fundamental tips. Softcover, 60 pp., \$5

*Make Your Own Kite* by John Jordan; unique materials and kites, amusing reading. Softcover, 90 pp., \$6.95

*Super Kites II* by Neil Thorburn; many drawings, novel techniques, anecdotes and poetry. Softcover, 112 pp., \$7.95



**SOMETHING EXTRA!**  
*Kite Postcards* from the Japanese Kite Museum; elegant, antique woodcut prints in rich colors; attractive packet of 10 cards; suitable for framing or mailing; \$4.95 postpaid



# Letters

## In Praise of Medio

We were so pleased to see our much-loved friend Medio Calderoni on the front cover of the Summer-Fall 1985 *Kite Lines*. You couldn't have chosen a better photograph to demonstrate the joy of kiteflying.

The day after we received *Kite Lines*, we went to Ravenna to take a copy to Medio. He was absolutely delighted and very touched; he said, "Who would have thought that at my age I would be on the front cover of a magazine together with a 500-lire (about 20¢) ship kite made of bits of cane and paper!" This sweet man doesn't realize how important he is in the world of kiting.

Medio has been invited by Terje Westfoss to go to Norway to take part in a kite exhibition at the end of August. At first Medio wouldn't accept, but after a little persuasion from family and friends, he changed his mind. He has already prepared the bamboo frames of the kites he will take. At the moment, he is preparing the paper covering; in this way, he can travel with his kites dismantled and will finish them when he is in Norway.

*Ancora, tante grazie per un articolo meraviglioso. Ciao.*

Jayne Edwards  
Cervia, Italy

## Count Me In

Your article on the improvement that Alex Dunton made to the old delta-box pleased me a lot.

That brought back some very pleasant memories of working with Scotty (Walter Scott) at Briny Breezes (Florida) in the winter of 1971. That's when I made the first square box with delta wings for him. It was a big improvement over Scotty's beloved stub wing box, which he had to admit. For myself, I wanted a kite that would roll up and assemble a little more quickly, so I used the triangular box, which, in turn, was so much better than the square box, that we soon forgot it.

I have been rather inactive the last two years due to health problems of my own, the death of my wife Olive, adjusting to the way of life in a nursing home, and the disposing of our home and the accumulation of fifty years.

Lately I have been feeling much better and I have just completed storage in my room for kites and kite material. I have also had a large cutting board made which I can place on my bed so I can at least

make small kites.

I still get a lot of enjoyment out of making and giving kites to others, even at age 89. Don't count me out yet: kites have added much to my life these later years.

H. J. (Hod) Taylor  
Austin, Minnesota

## Kite Trust

I found a copy of *The Kite Trust*, autographed by the author, in a used book store and paid 50 cents for it!

It is a detailed treatise on economics, especially capitalism, the story loosely woven in. Two boys form a company, add partners, make money. . . well, read it yourself. It's idealistic, unreal and surely a collector's item (humorous now, though not intended, I think).

Please ask if anyone knows about the author, publisher, etc.

Catharin S. Newcomb  
Philomath, Oregon

*Additional information received from Ms. Newcomb indicates The Kite Trust is a small hardcover (about 5 x 7.5 inches) of nearly 500 pages. She has kindly sent us photocopies of the first few pages, which have thoroughly piqued our interest:*

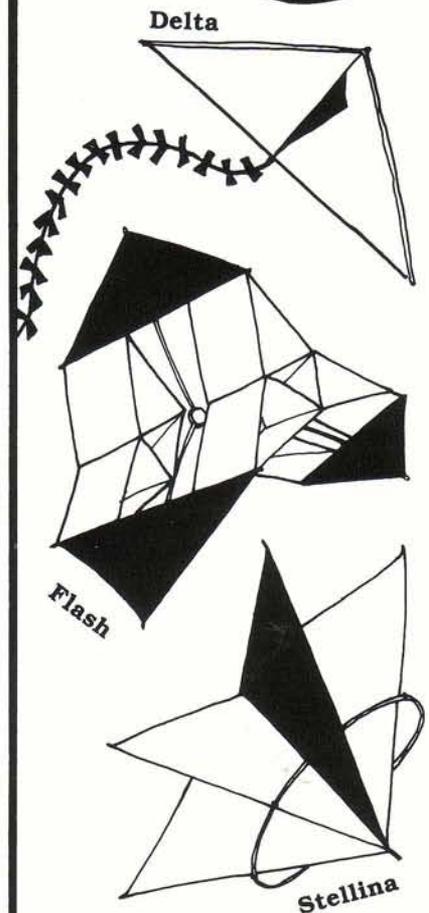
THE KITE TRUST  
(A Romance of Wealth)  
Copyright 1900  
by  
Lebbeus Harding Rogers  
KITE TRUST PUBLISHING COMPANY  
75 Maiden Lane  
New York City  
RESPECTFULLY DEDICATED  
TO  
A WHOLE ARMY  
OF  
STATESMEN  
ASSESSORS AND TAX GATHERERS  
WHO DON'T KNOW A  
TELEGRAPH POLE FROM A SHOTGUN

## Jolly Boy Preservation

I had been meaning to ask about two Jolly Boy kites I have. It was therefore gratifying to see a *Kite Lines* article (Spring 1985) about these kites.

Ours came recently from one of those junk/antique shops on Canal Street in Manhattan (New York). The dealer had obtained them still rolled up and had just assembled them for display. They are in perfect condition: that is, as good as anything made of paper and wood could be after 50 years! If I remember, he parted

# Reason 1.



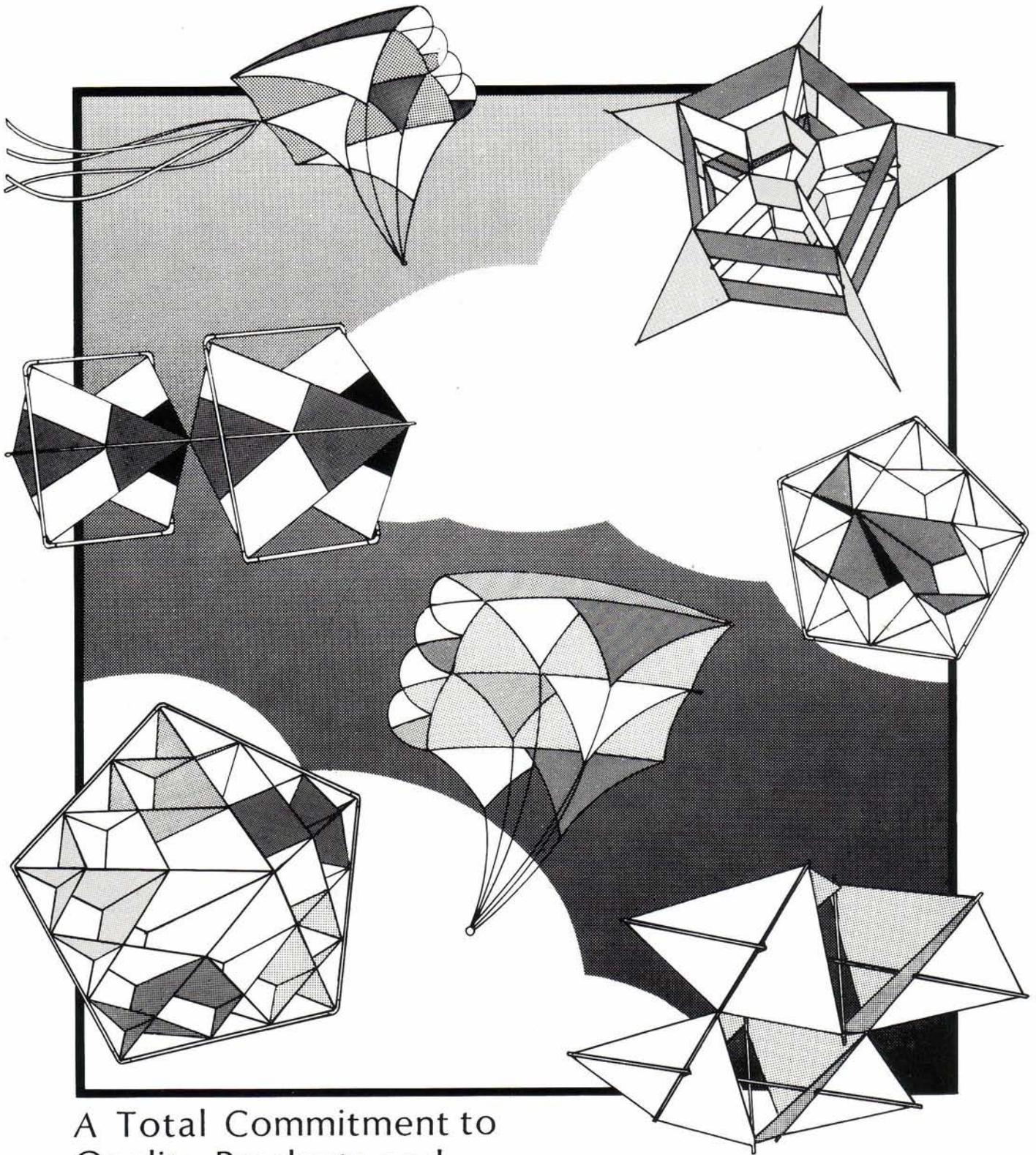
**ALIVOLA**  
of Italy

Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# PREMIER Proudly Introduces A Distinctive Collection of Kites



A Total Commitment to  
Quality Products and  
Competitive Prices

-Dealer Inquiries Invited-

*Premier Kites*

4152 North 27th Street  
Arlington, Virginia 22207  
(703) 276-7620

## Letters

... Continued

with them both for under five dollars!

Considering preservation: any advice from archivists on how to keep my Jolly Boys in their present condition would be welcome, but I refuse to lock them up in a closet somewhere.

Douglas A. Livingston  
Kalamazoo, Michigan

### Maine Line Flier

On nice days during the summer, my wife and I head for a nearby beach. While she sunbathes, I put up one of my kites. Here in Maine that makes for a pleasant day.

One evening, I had a nine-foot delta up about 500 feet. Out of nowhere, a small four-year-old boy appeared by my side. After a few moments contemplating my kite, he made the bold statement, "I've got a kite but mine's much bigger than yours!" I told him that I'd like to see it sometime and then we chatted a little.

As we talked, I slowly reeled in and when the kite was about halfway in, he modified his opening statement by saying, "Maybe my kite is the same size."

The breeze was quite calm, so I let him reel in the rest of the line. When the kite was almost at hand, it completely engulfed him. The expression on his face was a mixture of awe, joy and delight. He said, in effect, that the closer my kite got the smaller his became. He then ran off to tell his Mom and Dad about how much fun he'd had flying the biggest kite he had ever seen.

Looking out the window now I can see that it's sunny with a gentle breeze. I could clean my basement or find some other dirty job to do. . . Oh, what the hell! Maybe it will rain tomorrow and I can clean the basement then.

Bob Arsenault  
Springvale, Maine

### International Ethics and the Mama-sans

It was lots of fun to recapitulate the exciting battle between the Mama-sans and Tangram with their rokkaku kites (*Kite Lines*, Summer-Fall 1985). I truly enjoyed the article!

But I don't think it is in the spirit of international kiteflying ethics to say that the Mama-sans *took* Europe. Especially the kite fight in Cervia showed that the Tangram was not taken.

Also I think it is important to say that the men who were fighting on the women's team, namely Jon Burkhardt and Bevan Brown, used the crude methods of the Rainbow Warriors and tried to wrap the Tangram team in the slack line. In self-

defense, it was necessary to counter this unsuccessful attempt. Jon's brand across the belly would not have occurred had fair kite-play been the rule of the fight.

But in spite of all that, hats off to the Mama-sans—it was a beautiful fight. That experience has led groups in Cervia, Berlin and Hamburg to build their own rokkaku teams. I'm sure in Scheveningen 1986 we will see some excellent rokkaku fighting.

Michael Steltzer  
Berlin, West Germany

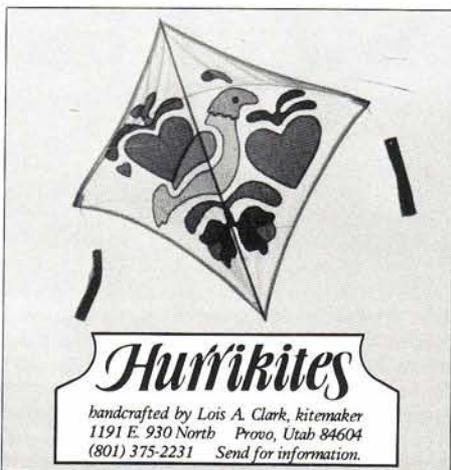
*We're not sure your complaint is serious, but we can't resist answering anyway. The phrase "Take Europe" was meant "captivate" strictly in the pleasant sense of the word. How could anyone accuse us of double entendre? The story does not evade blame to the women's team for the line tangling. It also plainly tells who set the Boar's line on fire.* —Ed.

*You are invited to write letters for this column and reply to them through our forwarding service. Any letter to Kite Lines may be considered for publication, so please state "not for publication" if you want no doubt to be left about it. Write to: Kite Lines, 7106 Campfield Road, Baltimore, MD 21207-4699, USA.*

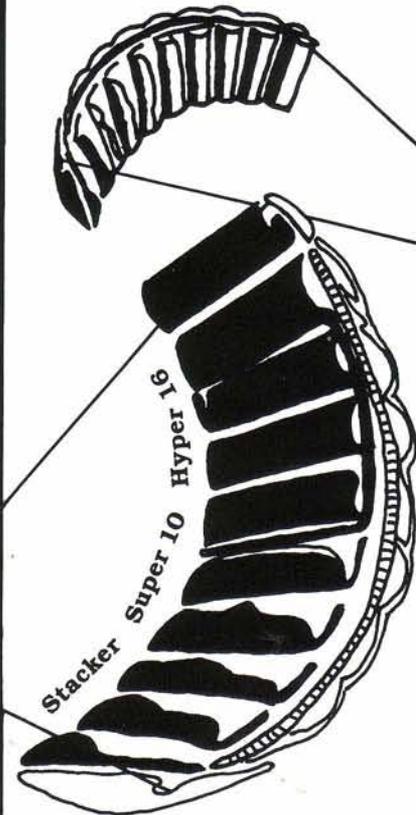
### CORRECTIONS

We regret that in the last *Kite Lines* (Summer Fall 1985) we omitted the name of the photographer whose work appeared on the cover. Jacques Fissier took the photographs of Medio Calderoni and his ship kite in Cervia, Italy, June 1985.

In the same issue on page 38, a Lecornu kite by Oliviero Olivieri was described in meters rather than centimeters—an obvious mistake in typesetting. If you were one of the sharp readers who spotted it, you probably knew right off what the correct dimensions were. Nevertheless, we want to express our regret for any confusion this may have caused. ♦



# Reason 2.



3 sizes available

## FLEXIFOIL

of England  
and Holland

Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# What's New: Kites, Books, Sundries

## Kites

By Mel Govig, Valerie Govig and A. Pete Ianuzzi

### PUFF! THE MAGIC DELTA

In the spring of 1981, *Kite Lines* published an extensive article on delta kites. One of the patterns in the article was for a design by Martin Powell of England. I have flown this particular kite for five years and I love the smoothness of the skin in flight achieved by the closed wedge keel and the gentle trailing curve. The Magic Delta made by Jerry Sinotte (Air Fair Kites) of California is a scaled-up version of the Martin Powell delta. It has impressive size, stunning graphics, excellent craftsmanship—plus a gimmick.

The sticks are 5/16" graphlex tubing, but with a difference, and therein lies the gimmick. Each spar of the delta—all four of them—breaks down into little pieces about 18" in length. But running through the center of each hollow spar is a long elastic "bungee" cord which keeps the little segments from getting lost when the kite is collapsed. And there is no guessing about which sticks fit together: they *stay* together, even when apart! The result is an 11-foot delta that fits into a briefcase. The packed size is 19" by 4".

Throughout its construction, the Magic Delta displays an attention to detail that few of us can equal. The striking graphics are the result of careful cutting and piecing. The seams are flawlessly double stitched. The kite includes effective use of abrasion-resistant material at contact

points, well thought-out pocketing detail, critical edges that are hot-cut before they are sewn and a novel treatment of the center longeron termination.

If someone wanted only a model of sewing excellence to emulate, this kite would be ideal hanging on the wall in front of one's sewing machine. The fact that the Magic Delta is also an excellent flier is a not-unexpected bonus: after all, who would expend such effort on a poor flying kite? —M.G.

### FOUR WINDS LOW-WIND X-WING

Nick and Sallie Van Sant have designed an interesting new kite of their very own, the Altair.

The *Kite Lines* office got into an argument trying to describe it. We remembered our Shakespeare and Polonius replying to Hamlet's question: "Do you see yonder cloud that's almost in shape of a camel?" *P*: By the mass, and 'tis like a camel, indeed. *H*: Methinks it is like a weasel. *P*: It is backed like a weasel. *H*: Or like a whale. *P*: Very like a whale."

The Altair, methinks, is very like a Cloud Seeker, an x-winged box. But it has a little Professor Waldof in it, don't you think?—with the vertical fins removed. No, it is very like a Summer Snowflake, extended with wings. And so on.

Let's just say this is a kite that, in spite of the recognizable traits of its possible

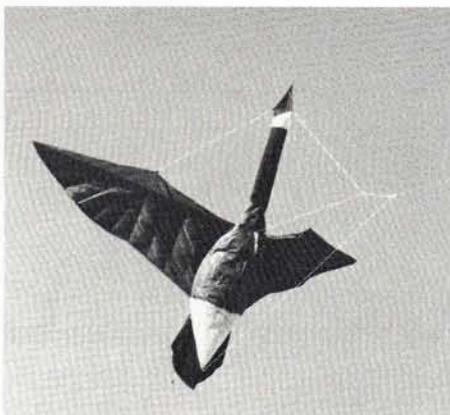
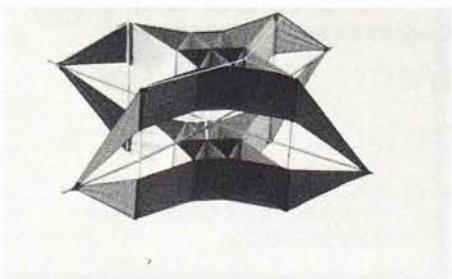
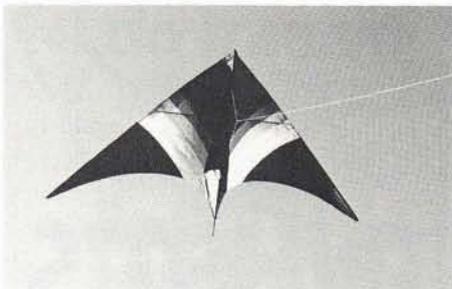
parentage, as a whole defies description.

The compound center of the Altair is in keeping with the current penchant for complex, colorful geometry in the air. Like other compound kites, it has an interesting range of visual effects, depending on the angle of the kite to the sun and the viewer. As it flew, I found delight in walking around it and studying its many faces.

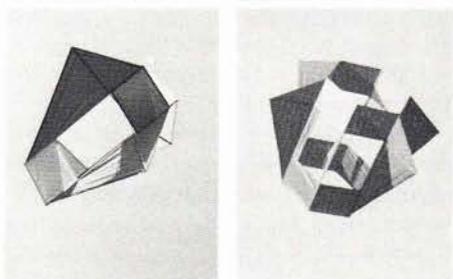
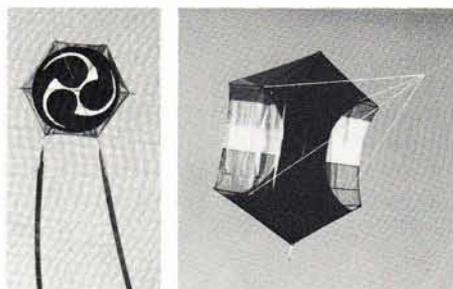
The construction shows the usual fine craftsmanship of the Van Sants, right down to the square "native hardwood" spars that have become their trademark.

The model that I tested had two minor flaws which have since been corrected. The points at which the halves of the spreader sticks are joined were on the same side of the kite, resulting in a tendency for the kite to lean that direction in little or no wind. Also, the action of pulling the kite caused a break in the stitches on the clever centering loop that had been sewn into the tape running from center cell to center cell. In future versions, the loop will be replaced by a ribbon to tie the spars firmly in place.

The result is a kite that flies more like a delta than a Hargrave box. I flew Altair on winds of less than 4 mph. Like the Cody, Cloud Seeker and other high-aspect-ratio boxes, it has a very fast climb rate combined with a controlled backward glide at a very low rate of descent. The combination makes it an easy kite for a



New kites reviewed are seen flying and shown clockwise from lower left: the Altair from Kites of the Four Winds; the Magic Delta by Jerry Sinotte; the Canada Goose by Martin Lester; the Hexagon from Windborne Kites; the High Fly Kite Co. Rokkaku; the Six-Winged Box and the Three-Winged Box from Tethered Aviation.



Valerie Govig

# Boomerangs



are  
coming  
back!

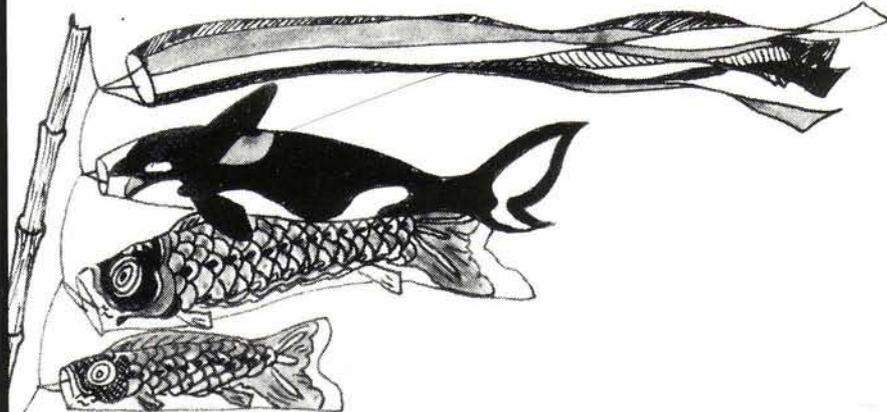
The Kite Site has assumed distribution  
responsibilities for Benjamin Ruhe  
of Washington, DC

Dealer inquiries are invited.

# The Kite Site

3101 M Street, N.W., Georgetown, DC 20007, 202/965-4230

## Great Winds Has Your Fish!!!



**Great Variety:** Squid in 4 sizes/koi in 6 sizes and a selection of 6 bright colors  
(red, orange, green, blue, purple, black).

**Great Quality:** Finely detailed designs, full-cut bodies of lasting nylon, larger  
mouths, sound tethers.

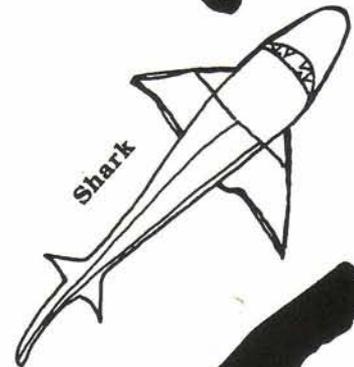
**Great List Prices:** (koi) 17"/\$3.50, 37"/\$7.50, 50"/\$15., 60"/\$17.50,  
78"/\$21., 118"/\$35., and Orca (killer whale)/\$18. . . .

Dealers—Write today for our price list.

## Great Winds Kites

402 Occidental Ave. S. Seattle, Wa. 98104

# Reason 3.



**MARTIN  
LESTER  
COLLECTION**  
of England

Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# What's New

...Continued

lone flier to launch and pull to altitude. The kite's behavior and appearance together make the Altair distinctive and rewarding. —M.G.

## FULL-BLOWN GOOSE

It is unusual for us to review art in *Kite Lines*. In most cases, the work of our artist-kiteflier-friends is not readily available to the public. Works by the likes of Peter Lynn, Skye Morrison, Tal Streeter and Tom Van Sant are usually "one-off" commissions. Goodwind/Mallard (Suspended Elevations) and George Peters had to give up mass manufacture in favor of eating. A few artists produce designs for reproduction, such as Tal's Flying Red Line, Peter's Tri-d boxes and a few others.

But the work of England's Martin Lester is done in limited quantities so that a few collectors can share and enjoy. His kites are unique in the sense that they are realistic three-dimensional sculpture in the air. That they fly seems almost a bonus.

(The Martin Lester family of flying semi-inflatables is expanding gradually. Within the past year, it has included the Canada Goose, American Bald Eagle, Flying Man, Space Shuttle and Shark. Only a few of this collection have seen wide distribution and even fewer have been imported to this country. We hope to report on other models later.)

The Canada Goose is constructed with a framework of fiberglass and dowels that keep the wings, neck and tail extended. A lifelike fabric body is ingeniously stretched

over this framework so that in flight it fills with air to create a full-blown goose. In winds of 4-8 mph, it launches easily and is a steady flier at angles of 30 to 60 degrees. For greatest effect, the goose should be flown at low altitudes. Pulling gently on the flying line imparts a realistic flapping to the wings.

Martin Lester's Canada Goose is not a kite for everyone; thank goodness that it is available for the few. —M.G./A.P.I.

## WINDBORNE'S HEXAGON

This kite is an ordinary hexagonal flat kite with an extraordinary means of assembly. The kite comes assembled, but folded up and rolled. Unrolling the kite allows it to assemble itself, to spring into shape by means of its elastic framing cord. Clever and convenient! So far as we know, it is the only flat kite that can be rolled up for transport and can still be described as completely assembled.

Apart from the novelty of its construction, the kite has good craftsmanship, and the surface designs, based on enduring oriental motifs, are lovely and well executed.

This may be what we'd expect from a maker like Winslow Colwell, who lives in Middlebury, Vermont and has found in kites a focus for his fine arts background. Win has chosen to manufacture his kites using inset sewing techniques, rather than applique, for curved precision designs on nylon. We can count on one hand the number of makers who do this.

The Windborne hexagon flies reliably, as hexagons should. Necessary tail is included and pre-attached. The kite would probably fly a little better if it had a

tauter cover, but that is the price of the quick-assembly feature.

We don't feel that the construction provides enough advantage to mark the kite as "better" than the hexes from other manufacturers. But it is different, attractive and comes with the most readable, helpful and handsome Owner's Manual that we have seen. —M.G./V.G.

## RECURRENT ROKKAKU

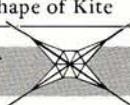
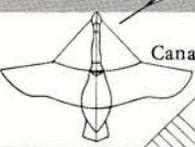
In the rush of enthusiasm for the Great Rokkaku Challenge of 1983, I had hoped that some kite manufacturers would make rokkakus part of their repertoire. Finally Cinda Shannon has started making them for the High Fly Kite Co. of New Jersey.

For those of you ready to join a rokkaku battalion, this kite is too small to require team flying. On the other hand, it is small enough *not* to require team flying! Its dimensions are about as large as a ten-year old could expect to handle in a strong wind. The 10-square-foot area of this efficient flier will give respect for the breed to even the adult-child.

The "Sanjo" Rokkaku (actually Shirone Rokkaku is more accurate) kites we tested showed outstanding craftsmanship in both the sewing and the rigging. Inspection of these kites makes one appreciate why the rokkaku has not been taken up by volume manufacturers. The amount and difficulty of the hand labor required in the bowing and bridling probably prohibit effective quality control over an unskilled work force. To the maker's credit, the three samples were equally well done and flew almost exactly alike: very well.

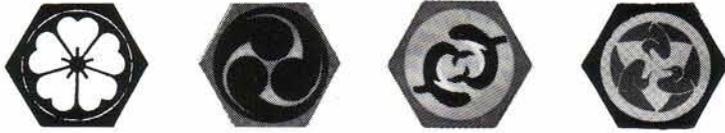
The surface patterns, even in the plainer

DATA CHART

Name and Shape of Kite	Retail Price (\$)	Dimensions (inches)	Weight (ounces)	Major Components	Portability	Assembly Time	Durability	Wind Range	Ease of Launch	Skill Level
Altair 	98.00	70 x 40	24.5	ripstop, wood	G	3 minutes	G	5-25	E	N-I-S
Canada Goose 	175.00	106 x 71	14.0	ripstop, fiberglass, wood	G	5 minutes	VG	4-10	G	I-S
Magic Delta 	100.00	120 x 60	19.0	ripstop, graphlex	E	4 minutes	E	5-15	VG	I-S
Windborne Hex 	36.00	24 x 27	3.0	ripstop, wood	E	n/a	G	8-15	G	N-I-S
"Sanjo" Rokkaku 	45.00	40 x 46	7.0	ripstop, fiberglass, graphlex	G	3 minutes	VG	8-20	G	N-I-S
3-Winged Box 	24.95	28 x 30	4.0	ripstop, wood	G	3 minutes	G	5-25	VG	N-I-S
6-Winged Box 	49.95	37 x 30	8.0	ripstop, wood	G	4 minutes	G	5-25	VG	N-I-S

NOTE: Retail price (in US dollars) is "advertised" or "suggested." Wind range (in mph) covers minimum and maximum speeds deemed suitable by our evaluators. Skill Levels are: N-Novice, I-Intermediate, S-Skilled. Other ratings are: P-Poor, F-Fair, G-Good, VG-Very Good, E-Excellent.

## The Windborne Kite

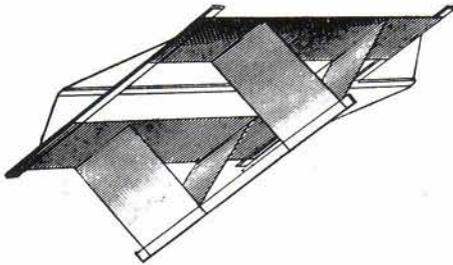


Drop us a card and we'll gladly send along our latest brochure. Or send a dollar and receive the owner's manual which illustrates the history of the kite and details its construction and flight. Dealer inquiries welcomed.



**Windborne Kites**

P.O. Box 652 Middlebury, VT 05733



**HIGH FLY KITE COMPANY**

**PRESENTS THE BEST OF THE  
AMERICAN  
BRITISH  
WEST GERMAN  
QUALITY KITES  
AT APPEALING PRICES**

For the largest selection of kites & kite building supplies available anywhere,  
write for our **NEW 1986 catalog.**

HIGH FLY KITE COMPANY  
33 EVERGREEN LANE, HADDONFIELD, NEW JERSEY 08033



*come fly with us!*

*Tom Wineman  
Jude Maria*

**CAPE COD'S ORIGINAL WONDERFUL KITE STORE**

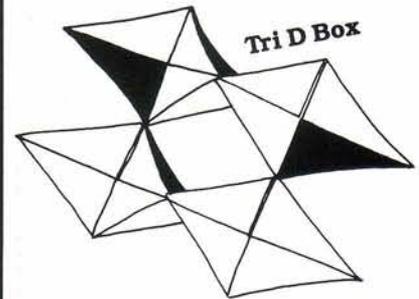
Box 1032—240 Commercial St.  
Provincetown, Cape Cod, Massachusetts 02657  
617-487-3766

570 Main St., Hyannis, Massachusetts 02601  
617-775-7263

379 Thames St., Newport, Rhode Island 02840  
401-849-6203

*please send  
for our  
catalog*

# Reason 4.



Tri D Box

several sizes available



Octopus 6'

Dragon 10'

**PETER  
LYNN**

of New Zealand

Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

## What's New

...Continued

version (perhaps especially in the plainer version) show an eye for color and a nice graphic balance that are important to this kite. In flight, the rokkaku displays the rapid climb, high angle and extreme stability expected of this ancient design.

In moderate winds, the rokkaku can be made to maneuver over a wide lateral range. If you have had difficulty steering your eight-foot Challenge kite, you might consider getting one of these for practice. A gang of us could have a lot of fun flying Shannon rokkakus in a Team-of-One Challenge. —M.G./A.P.I.

## TETHERED AVIATION WINGED BOX

We saw the new winged boxes from Tethered Aviation for the first time in September, 1985, at the Sunfest in Ocean City, MD. More recently, we had the opportunity to fly the three- and six-sided versions. Both kites flew very well in winds from 4 to 15 mph, which is exactly what we have come to expect of Dan Flintjer's kites. In addition, these kites show admirable simplicity of design and a high standard of craftsmanship.

These winged boxes are similar to those made by two larger manufacturers; that is, they start with the same fabric and hardwood dowels. There the similarity ends. Tethered Aviation kites combine

careful sewing, full-length dowel sleeves in the wings and a Tinkertoy-like wooden boss (designed by Flintjer and manufactured especially for these kites) at the center to achieve remarkable surface tension, even on the rear cells. The fact that a winged box will fly with a rather loose cover often tempts kitemakers to avoid the extra care that will make it fly better. It is a hallmark of Tethered Aviation that "good enough" is not good enough.

In a kite market full of modernistic creations, Dan Flintjer's kites are a nostalgic glimpse backwards. He makes kites the old-fashioned way, and if he makes money at it, he does that the old-fashioned way also—he works for it. —M.G.

## Books

By Leonard M. Conover and Jean-Pierre Ollive

### THREE STRIKES AND YOU'RE OUT!

*Cerfs-volants*, by Didier Carpentier and Joël Bachelet (Paris: Dessain et Tolra, 1978), 64 pages, 39.80 francs (about \$5 US).

*Alles über Drachenbau*, by Didier Carpentier and Joël Bachelet (Freiburg im Breisgau: Christophorus-Verlag Herder GmbH, 1980), 64 pages, 12.80 DM (about \$5 US).

*Kites*, by Didier Carpentier and Joël Bachelet (West Yorkshire: EP Publishing Ltd., 1981), 55 pages, £2.45 (about \$3.50 US).

Okay, so I cheated: I read the English version first. But, finding it unacceptable and thinking that the fault was in the translation, I compared it carefully to the original French. The problem was definitely not with the translator. There was no need for me to read the German edition.

*"Be careful not to create havoc in the poultry farm!"*

The book begins with a fragmented and often inaccurate attempt to condense 4,000 years of kite history into four pages of text and four photographs. This is followed by a superficial treatment of kite safety, nomenclature, classification, aerodynamics, weather, launching and flying. Then comes a confusing section on bridles and keels, a laughable page about knots, a cursory glimpse at tails and a simplistic paragraph on the many uses of kites. The page on reels holds little of value and the section on tools and building materials contains an undecipherable chart, difficult to decode in any language.

*"Attention de ne pas effrayer les basses-cours!"*

What follows next is a lackluster description of two dozen kites and variations, in no particular order, with semi-detailed instructions for making only one kite: a

collapsible square design with a long tail. The construction techniques are crude (cover attached to frame with rubber bands) and the building materials are ill-defined. Throughout the book, we find photographs and drawings either upside down or sideways, or with unclear captions, or both.

The English edition ends abruptly on page 55, but the French and German versions continue for another nine pages with plans for a hang glider. All three editions lack both an index and a bibliography.

*"Achtung, dass Sie nicht Hühnerhöfe in Aufregung versetzen!"*

As for redeeming qualities in this book, they are few and far between. If you have to search and scrounge for something of value in a kite book, it is probably not worth the effort. True, the book is full of color photographs, to attract the eye of the potential buyer. The astute kitemaker will use them to glean valuable construction details not supplied in the text.

If you insist upon adding this book to your collection, I suggest that you try to obtain it in all three languages. This will not be easy, but then, at least, you will be able to learn a few kite terms in a foreign tongue—even English. —L.M.C.

### BEGINNERS BEWARE

*Faites Vous-même vos Cerfs-Volants (Make Your Kites Yourself)* by Renard Legrand, (Paris, France: Solar, 1985), 64 pages, 19.50 francs (about \$2.50 US), in French.

In November, we received a small kite book from Jean-Pierre Ollive, a friend and valued *Kite Lines* reader in France. We were immediately tempted to read and review it, but we were dissuaded by the letter which accompanied the book.

Here is some of Jean-Pierre's letter:

"I am extremely ashamed for the delay (in sending) these books. Sorry... Happily, this is not a good book.

"A book shouldn't be slapped together just because it will be sold for 20 francs (about \$2.50 US). The author of this book uses confusing text and poorly distributed illustrations for a dozen stale kite designs. It contains no plans, a jumble of techniques, many errors, nothing new. . .

"In this book you will learn that you should prefer deltas for strong winds, select green tree branches for sticks, and melt the knots in nylon line to make them hold tighter. . . The illustrations are not clear, the drawings are inaccurate and badly placed, and the kite photos were taken inside a studio. . .

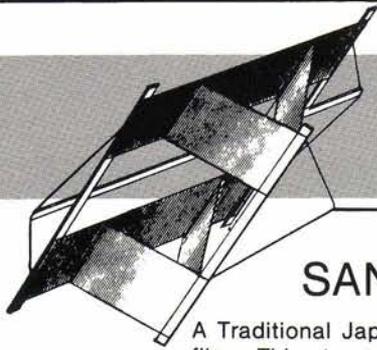
"They borrowed ideas and models from other books to make this one, but without credit, without checking. There are some absurd things in this book for beginners. Poor beginners!

"This is a book to avoid!"

Eventually, we read the book anyway, and our examination confirmed Jean-Pierre's suspicions. The author obviously has little experience in the field of kites or on the kite field. He has written other books—about candles and dried flowers—but his expertise (if any) on those subjects did not help him in this endeavor.

—J.P.O./L.M.C.

*Ed. Note:* In the book review in the Summer-Fall 1985 issue of *Kite Lines*, we somehow neglected to mention the fact that *Cerfs-Volants* by Daniel Picon is, indeed, written in French. We hope that this omission caused no confusion to our readers.◊



HIGH FLY KITE COMPANY

## SANJO ROKKAKU

A Traditional Japanese Design that is a good responsive flier. This strong pulling Kite is made from Ripstop Nylon & uses Hollow Epoxy Fiberglass spars.

46" High  
41" Wide



**GOOD FORTUNE**  
Limited Edition of 50  
\$ 65.00

**TRI COLOR**  
\$ 45.00

*Write to Fran Gramkowski for complete catalog*

High Fly Kite Co.  
33 Evergreen Lane, Haddonfield, NJ 08033  
Add \$2.50 shipping to each order



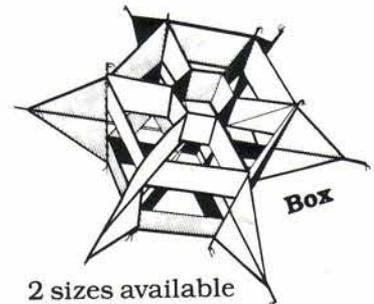
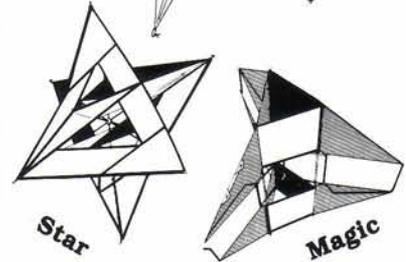
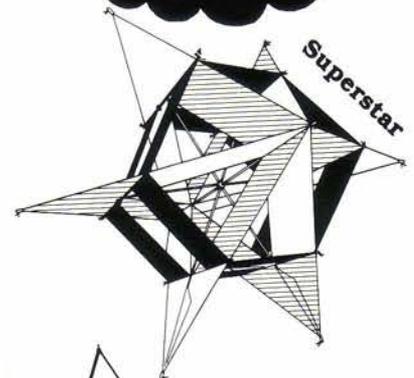
# Worth looking up...

## MARBLEHEAD KITE COMPANY

P.O. Box 951, Marblehead, MA 01945 (617) 631-7166

World's finest fabric kites and windsocks

# Reason 5.



2 sizes available

**PROF.  
WALDOF**  
of England

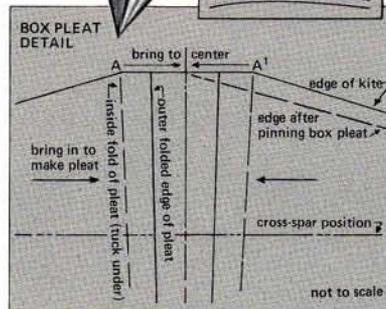
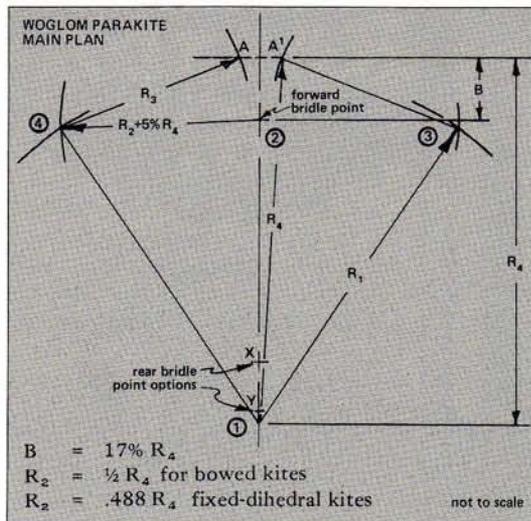
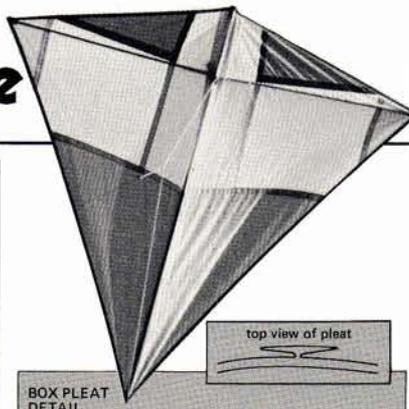
Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# The Porous Portable

# Parakite . . . . .



Length $R_4$	$R_1$	$R_2+5\%R_4$	$R_3$
46 1/2"	45 1/8"	25"	24 9/16"
48"	46 5/8"	26 3/8"	25 5/16"
52"	50 7/16"	28"	27 7/16"

Pin drilled radius stick first at 1 to draw arcs  $R_1$  (2 places) and  $R_4$ , then pin at 2 to draw arcs at  $R_2+5\%R_4$  (2 places), then pin at 3 and 4 for  $R_3$ .

**I** THOUGHT A WOGLOM kite was the same as an Eddy or Malay. But it wasn't until I read *Parakites\** that I knew what a Woglom was.

It was clear from Woglom's descriptions of high altitude flights, train flights and construction techniques that the man really refined his design. I saw the Woglom parakite as, in fact, the ultimate refinement of the Malay, made more interesting by the shape given by the box pleat at the nose. It was to me one of the truest and purest of kites, with the barest minimum of components: two sticks, four pockets and a single bridle. The sticks were of equal length, crossing at 1/6 the height. I had always thought that such kites were the most manifestly magical, the most archetypally mysterious. Complexity will only shroud the mystery.

But I wouldn't call a thing a kite until I'd seen it fly and I applied Woglom's basic principles to my own methods and materials. I used my usual spinnaker nylon and 5/16" ramin (hardwood) dowel. Since the kite had to be collapsible, I did not use a string-bounded frame. Instead I made mine with a border of 1/2" seam binding and sewn-on pockets for the sticks. I added a 1/4" seam allowance to the basic layout and turned it under the binding in the first row of stitching. Dihedral on my first kite was provided by a 6" alloy ferrule bent to 150 degrees (10" ferrule for the 52" kite). I have also used conventional string bowing, following Woglom's bowing ratio of 10% of the spar length, on both wood and fiberglass. All the kites fly.

\*Gilbert Totten Woglom, *Parakites: A Treatise on the Making and Flying of Tailless Kites for Scientific Purposes and for Recreation* (New York and London: Putnam, 1896).

Woglom marked his fabric using a finished frame as a compass, pinning down one end and marking from the radius arm to ensure a symmetrical kite. I made a substitute tool from a length of lath. I drilled five holes in it to take an awl or ice pick at one end and a pencil lead at points along the stick's length, as shown in the sketch.

The first radius, R-1, is the length of the finished trailing edge from wingtip to tail. Radius R-2 is the half-span. (In the bowed state, R-2 equals the half-span, but slightly less than half-span for kites using dihedral fixtures.) Added to R-2 is 5% of the height (R-4) to allow for the box pleat. R-3 is the length of the leading edge. R-4 is the height.

When using a stick as a radius arm, mark in the sequence shown. (Don't forget to allow the extra 1/4" all around.) The part between points A and A-1 is cut after pinning the box pleat, which lies on the face of the kite. Pin it carefully from the top down to the cross-spar position, creasing the fabric on both sides of the pleat along imaginary lines from the top of the outer fold to the base. Bring A and A-1 together at the center line under the pleat. This part of the pleat is sewn under the binding and nowhere else.

Attach a tie-tape where the spars intersect. Connect the top leg of the bridle at the same point and the bottom leg at one of the two lower points (X or Y). Woglom used Y, about an inch from the bottom. His bridles were a bit less than 1.5 times the length of R-4. His towing points were "rectangularly over a point proximately four per centum of the length of the upright below the crossing." This works well, but Woglom further tells us to adjust

the bridle to the nearest 1/32" to "exact equilibration." He means that you have to test fly the kite and if it wags its tail, the bridle is too far forward, and if the kite pivots about the spine, the bridle is too far to the rear. You want to adjust the bridle so that the kite flies steadily between the two modes of oscillation.

Using porous fabric to make a portable Woglom, whether bowed or dihedral, is only slightly more difficult, but worth the trouble if you don't use ripstop or can't live with the wobble in a ripstop version as the wind picks up. Lay the fabric flat without any stretching. Stabilize the outline prior to cutting with 1/2" single- or double-sided tape. Cut out around the edge of the tape (you have 1/2" to fold under the seam binding) and sew it, using lighter fluid to lubricate the machine's needle if it gums up. Some fliers like to hand-sew the kite to the spine along the center line at six- or eight-inch intervals to keep the cover from slipping side-to-side.

The Woglom parakite, however you make it, has a beautiful shape. It is sparred so that the center spine curves about as much as a bowed cross-spar. The leading edge is taut; the "twin-concaves" are automatically formed. The kite glides well and looks nice when dropping back. It flies to a good angle. When the bridle is right, it is controllable at all times. It flies better tailless than a ripstop Eddy kite, especially one which does not have the extra wide fabric on a string frame which true Eddy kites had. Getting involved with so-called classics is a very good kitemaking exercise.

Woglom gave all his kites ratings, as a ratio of weight to area, which he calculated

# by Woglom & Leigh

By Dan Leigh

as weight in ounces divided by half the square of the height of the kite in inches.

Woglom would judge the wind with a pilot kite prior to flying in train. He liked to add progressively larger kites to the line, so he used his rating system to compare kites of different sizes and then match them up for a given wind velocity for train flying.

### Excerpt from Woglom's PARAKITES

The author's experiences with parakites of various ratings and their adaptation to varying wind velocities have been collated into the following approximate table after industriously traversing a multitude of flight records, during which more than one hundred and fifty parakites were used and their fitness noted:

Ratings	Wind Velocity
.0035 - .0045	adapted to 5 - 15 miles
.0045 - .0060	adapted to 15 - 25 miles
.0060 - .0070	adapted to 25 - 35 miles
.0070 - .0080	adapted to 35 - 40 miles
.0080 - .0090	adapted to 40 - 50 miles
.0090 - .0095	adapted to 50 - 55 miles

Regarding the ratings: so far I've found that the table in Woglom's book doesn't apply to ripstop kites. For example, my 52" kite with 5/16"-diameter frame rates .00518. The same kite with a 3/8" frame rates .00536, hardly any difference. But the heavier of the two is almost unflyable in the winds I've tried so far, while the lighter kite is a lovely flier.

For the higher ratings, use a framing string and porous fabric. I wouldn't use ripstop for other than the first two ratings. For example, my most recent Woglom is 46½" with a hollow, but heavy, ¼" fiberglass bow. Its Woglom rating is .0047, which puts that kite in the 15-25 mph wind category, but I'd say 20 mph is the practical upper limit for this one because of the fabric. Perhaps the upper limit could be improved in a ripstop Woglom by the use of a framing string which would take a lot of the tension off the fabric. It's something I shall have to try.

I've made both ripstop and porous fabric Eddy kites with framing strings and

they are definitely better than identical kites using sewn-on seam binding, but the difference is most noticeable on ripstop versions. I have twice seen Eddy kites in porous fabric with string frames and heavy wood flying in very high winds. On both occasions, the construction method was the simplest possible, with the string of the frame running through slots in the ends of the sticks. If you normally build Eddy kites this way, all you have to do to make a Woglom parakite is add the box pleat.

Perhaps we don't know or hear much of the name Woglom anymore because, although he authored a book, he didn't commercialize his kite as Eddy did his. Woglom's early research into kites of the Orient, including Malaysia, has made me wonder if perhaps he constructed the first Western Malay kite. Eddy's patent shows a kite with a skin of extra width hanging fairly loosely on a standard sort of frame. It is, in fact, a Woglom without the box pleat. But I don't know that Woglom didn't add his box pleat to a standard Eddy—or if Eddy always had that extra width in the fabric skin. The two men didn't live very far from each other.

All the rumors of Eddy-type kites needing tails stem from the fact that people have generally forgotten how to build these kites. In porous fabric and on a string-bound wood frame, Eddys and Wogloms are very forgiving designs, and I've witnessed good flying kites which appeared to be very poorly built indeed.

Kite books written since 1896 haven't helped; they seem to have spawned a cult of imitation Malays which more often than not don't fly. And today people don't have the patience to work out the problems of nonflying kites.

Kiteflying is supposed to be relaxing, but for many people it is only frustrating and embarrassing. So let's all do it right. Study Woglom (and Eddy), share what we know, use tails if we can't be precise—but by all means keep 'em flying. ◇

### THE GREAT KITE PATENT MYSTERY

Gilbert T. Woglom of New York, NY, filed the application for his kite patent on November 20, 1895. Almost three years later (August 1, 1898) William A. Eddy of Bayonne, NJ, filed the application for his now-famous kite.

About a year and a half later (March 27, 1900) Eddy received patent number 646,375. Then, about five weeks later (May 1, 1900) Woglom was issued patent number 648,544.

We examined 30 kite patents issued during

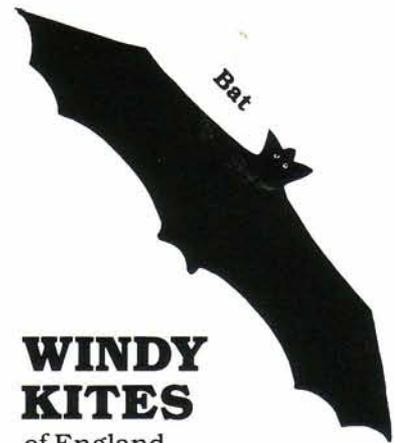
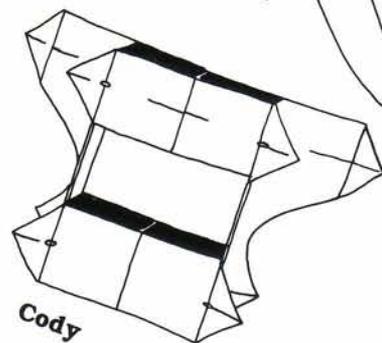
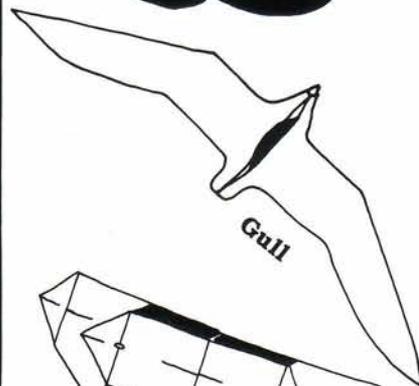
the 20-year period from 1890 to 1910 and found that the average time between filing the application and receiving the patent was 10 months. Most patents (70%) were issued within 12 months after the date of application.

William Eddy waited 20 months for his patent approval. Gilbert Woglom had to wait an unbelievable four years and five months!

And therein lies the mystery.

—L.M.C.

# Reason 6.



## WINDY KITES

of England

Dealers inquiries invited.  
Wholesale to the trade only.

# WHAT'S UP

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# Tips & Techniques

## 1 California Spinners, or Caldwell Counter-Rotates Again

Thomas B. Caldwell of San Mateo, CA, brought some novelties to the AKA convention in San Diego. One of them was his string of 106 rotating disks spinning on the line of his six-foot star kite.

Tom has been tinkering with the design for about five years now. He claims the disks produce little drag and even provide some lift to a kite's line.

Spaced about 17 inches apart, each six-inch disk has opposite rotation from the disks above and below it, to prevent twisting the line. He inserts a swivel in the line about every 20 disks and at each end of the line (80-lb test polyester).

Here is Caldwell's "latest and best version"\* of how to make a spinning disk. (Materials and tools are in **boldface**.)

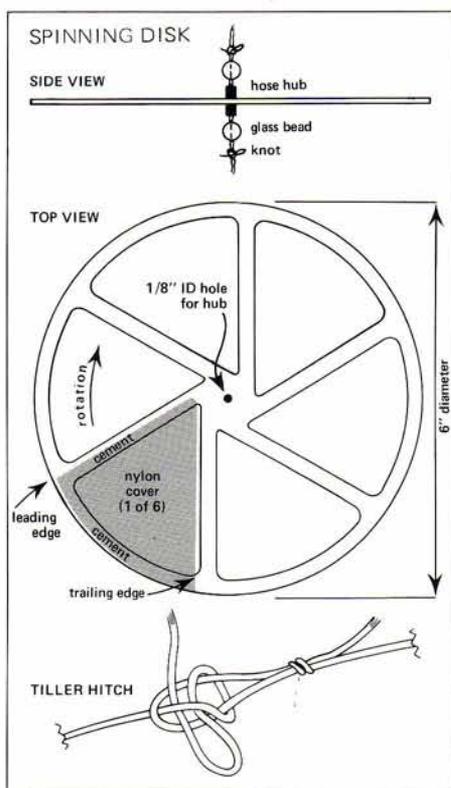
1. Cut circle frames, in pattern shown, from pieces of **vinyl plastic .030-inch thick**. Tom buys his plastic in sheets from a plastic supply company, but scrap sources may be available. Discard the six cut-out center pieces.

2. Cut **riptop nylon** pieces to fit each of the frame openings (six per frame). Tom uses .75-ounce riptop in bright colors, five pieces alike and one of contrasting color, for a busy "flashing" effect. To prevent the riptop from fraying, cut it with a **hot knife** or soldering iron. Cut the cloth slightly larger than the frame opening to provide a surface for gluing.

3. **Glue** the six pieces to the front of the frame. (Tom uses 3M "77" spray adhesive). Glue along the outer rim and one side only, leaving the trailing edge unfastened and a 1/16-inch gap. Keep the fabric pulled out flat until the adhesive dries. To get opposite rotation of the disks, glue the fabric on opposite sides of the frame. (Turn the frame over and cover it in a mirror-image format.)

4. The disk will not stay perpendicular to the kite line unless a hub is used. Make hubs 3/8-inch long by 1/8-inch outer diameter, with an inner diameter just enough to accommodate the kite line, with *loose*

\*Tom Caldwell's spinning disk design is based on one made by George Ham and flown at San Francisco's Marina Green a number of years ago. An earlier version appeared in the July-August 1984 issue of "Kite Flyer," the San Francisco Bay Area Kiteflying News, edited by Leland Toy, 1044 Sanchez St., San Francisco, CA 94114.

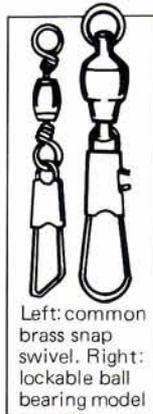


fit. Tom uses **semi-rigid plastic hose** obtained from an automobile supply store. Tom "welds" the hubs into the vinyl frame center holes with a **hot soldering iron** using **plastic strips** (not vinyl) as "welding rods." He has found that a hot melt glue gun also works. Tom warns that "much practice is needed" to get the hub-making technique down pat. Finally, Tom puts **glass beads** on the kite line, one on each side of the hub, to act as thrust bearings. Then outside the beads, on each side of the disk, he ties a tiller hitch knot to keep the spinner in place on the line.

## 2 A Sermon on Snap Swivels, or Cheaper by the Half Dozen

John Waters, in a recent call from Oregon, gave us some useful information on snap swivels. Many kitefliers use them routinely in the belief that they help keep a flying line free of twist. John thinks this dogma is long overdue for questioning.

At Catch the Wind kite shops, famous for their big Spinsocks™ they have discovered that being on



Left: common brass snap swivel. Right: lockable ball bearing model

intimate terms with snap swivels is an absolute necessity. John says:

"What we use is a *bunch* of swivels, connected together chain-like. Each swivel will carry some torque and reduce the overall load. A damaged one will transfer its load to the rest of them. Half a dozen small swivels will last a long time and hold up better than a single swivel of any size or type, including a ball bearing one."

"When a swivel becomes contaminated with sand from flying on a beach, it will quickly devour itself. In fishing, the swivels work longer and better because they are lubricated and cooled in the water."

Since sensible kitefliers never fly kites in the rain, we conclude that it is better to use three or more swivels on your kites and spinners, instead of only one. In addition to connecting your snap swivels together to minimize line twist and maximize spinner spin, we recommend that you use the best swivels you can't afford to do without.

Some of the finest snap swivels can be had for under \$5, so it makes little sense, either common or economic, to risk a 50-dollar kite on a 50-cent swivel. Avoid flimsy snap swivels which can be opened easily by a hard-pulling kite. Use the type which "lock" when you close them.

A sticking swivel can be lubricated, but note that a little oil goes a long way—*one drop* is plenty. And remember that oil, when mixed with a little beach sand, can work against you and bring the best ball bearing swivel to a grinding halt.

## 3 A Split Flexifoil Control Rod, or Divide and Conquer

Kelley G. Johnson of Hector, MN, wrote about his new six-foot Flexifoil and its control rod.

Kelley found the rod frustrating because it limited the range of arm motions he had become accustomed to making with his Peter Powell and Trilby stunt kites.

"My first flight of the Flexi was with a pair of handles that I borrowed from my friend Ralph Larson," he says. "It took place in a 20-30mph wind. I had my hands full. I flew for about 20 minutes that day and my arms were sore for a week."

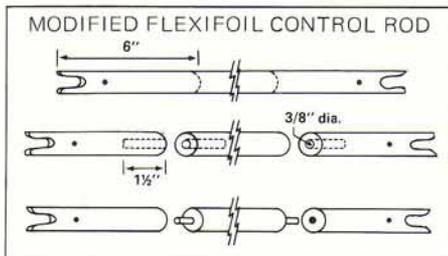
"About two weeks later, I flew the Flexi again, this time with the control rod. The difference was unbelievable. It was not the same kite. With the handles I could turn the kite in a circle about twice

its length, but with the rod I could turn only large, graceful circles—pretty, but not very exciting.

“It appears to me that the main problem with the rod is that its length and rigidity limit the speed of motion required to make the kite respond quickly. Even if the rod were made longer, it would still be impossible to move one end without moving the other. This greatly limits the degree of motion (read that “finesse”) that is possible.

“All things considered, I feel that the only way to fly a single Flexifoil is with handles. In the near future, I hope to try flying a pair of Flexis with handles just to see if it’s possible.”

Meantime, with the help of another friend (Mike Heil, Lange’s Machine Shop), Kelley cleverly modified the control rod to create detachable handles without giving up the use of the rod as a line winder. First, he cut a six-inch piece from each end of the rod and drilled 3/8-inch holes 1½ inches deep in the fresh-cut ends (a total of four holes). Then he glued a 3/8-inch diameter brass pin three inches long in each end of the center section (see illustration). After the glue was dry, he varnished the rod to a beautiful gloss and reattached the flying lines.



**Tips & Techniques** is for *you*—to read and to *write*. Contribute your favorite tip or technique, large or small, and if we use it you will earn a double reward:

First, we will send you your choice of any book in the Kite Lines Bookstore or a subscription or extension for four issues of *Kite Lines*.

Second, you will attain recognition in the kite community because a good idea in **Tips & Techniques** will become associated with your name for the ages.

Send your best stuff today to *Kite Lines*, 7106 Campfield Road, Baltimore, MD 21207-4699, USA.

# The reasons for choosing WHAT'S UP have never flown sooo well!

Alivola  
Avenger  
Cloud Pleasers  
Peter Lynn Ltd  
Prof. Waldof  
Quicksilver  
Shanti  
Stratton  
Vic's Fighter  
Flexifoil  
Skyscraper  
Mile High

Marblehead  
Martin Lester  
Air Toys  
Windy Kites  
Gunther  
Windborne  
Boomerangs  
Winders  
Rainbow  
Trlby  
Windsox

# WHAT'S UP

Dealers inquiries invited.  
Wholesale to the trade only.

4500 Chagrin River Road  
Chagrin Falls, Ohio 44022  
216/247-4222

# The Singing Line

By Jacques Durieu

**W**HAT KITEFLIER has never heard the line of his or her kite singing in the wind? I am sure you know the phenomenon: when you put the line in contact with a hollow object, the object becomes a resonator which amplifies the vibrations of the line to make them audible.

If, on a windy day, you attach the line of a powerful kite to the top of your car, you can sit comfortably in the car and listen to the long talk between the wind and the kite. If you fly smaller kites or if the wind is weaker, it is still possible to hear the song by pressing the line to your ear, as if it were an earphone.

This phenomenon (so customary that most kitefliers ignore it) is, nevertheless, worthy of attention. On the one hand, it can produce a certain aesthetic satisfaction to anyone who like musical experiences. On the other hand, it may be the origin of technical problems, such as those you face when you try kite aerial photography.

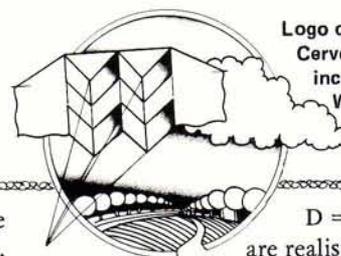
I myself noticed, when I became involved with kite aerial photography, that some days the camera, attached to the line by a rigid pendulum, was set into vibration by the line itself. I started to analyze the situation by reading books and articles on the wind's effect on overhead lines.

I learned that, except for kites flying in very weak winds, the wind speed is always sufficient to produce vortices, called von Karman's vortices, at the rear of the flying line (Figs. 1 and 2). As they leave the line, alternately on the left side then the right, the von Karman vortices exert a sucking effect on the line, which in turn induces a transverse oscillation at a rather high frequency and of small amplitude (usually less than the diameter of the line). From reading about numerous tests, I devised an approximate formula relating the frequency of the vibrations to the line diameter and the wind speed. If  $F$ ,  $D$  and  $V$  denote, respectively, *Frequency* in cycles per second (Hertz), the line

*Diameter* in millimeters (mm) and the wind *Velocity* in meters per second (m/sec), the formula reads:

$$F = \frac{200 \times V}{D}$$

As an example, let us take  $V = 5\text{m/sec}$  and



Logo of "Le Nouveau Cervoliste Belge" incorporates a Wasseige kite, as used in tests.

$D = 2\text{mm}$ , which are realistic figures for a delta kite of 3- to 4-meter span flying in a wind of 10 knots. The formula gives a frequency of 500Hz for the vibrations,

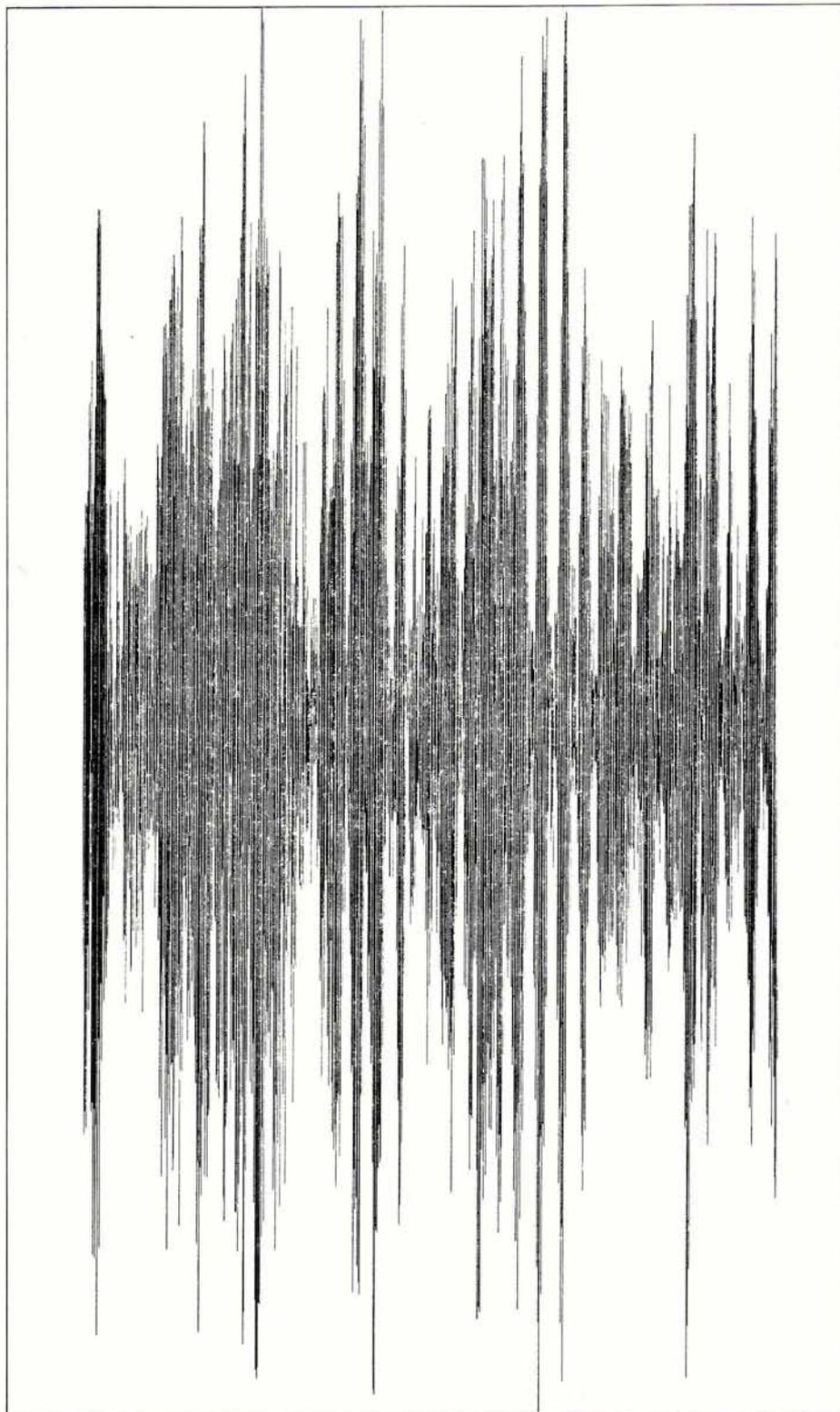
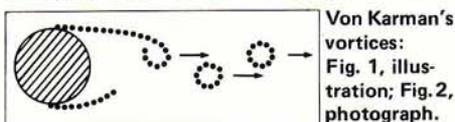
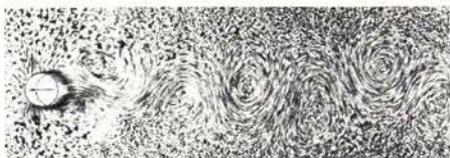


Fig. 3. A small sample of the recorded sound signal from a vibrating kite line.



Von Karman's vortices: Fig. 1, illustration; Fig. 2, photograph.



but it is worth noting that the wind speed is never the same all along the line, so we do not hear a one-frequency sound, but a fuzzy set of nearby frequencies.

### Speech Processing

While working in a laboratory where some colleagues were studying speech processing

I asked them to analyze several sequences of recorded sound from vibrations of a kite line. They agreed and I am pleased to present the results of that analysis.

While flying a Wasseige kite (3m span) in a wind of 4-8m/sec on a line 2.5mm in diameter, I recorded the vibrations of the line on a cassette using an ordinary micro-

phone pressed against the flying line.

In the laboratory, the sonogram (Fig. 4) was obtained by passing the sound signal (Fig. 3) through an analog-digital converter which transformed the continuous signal into a series of separate pieces at the rate of 8,000 per second. These data were then treated by a discrete Fourier transform which determined the different frequencies present during each successive 10 millisecond (ms) interval.

The sonogram was printed in the form of pixels (small rectangles) with a gray tone proportional to the power contained in the frequency band. Each pixel covers a frequency band of 26.56Hz vertically and a time step of 10ms horizontally. In this figure, the sonogram covers a period of 0.5 second.

In the sonogram, you can clearly see a dark zone between 531Hz and 717Hz, corresponding to the fundamental harmonics of the vibration of the flying line. Between 1089 and 1408Hz we find the first harmonic, weaker than the fundamental. The second harmonic, between 1600 and 2100Hz, is so weak as to almost disappear from the sonogram.

In this example, you will also note that there is a difference between the numbers obtained using the formula and those indicated by the sonogram. This does not mean that the formula is wrong, but that the wind speed at ground level was less than the wind speed at the altitude of the kite. The formula yields a range of 272-632Hz, while the sonogram indicates a range of 531-717Hz. For our purposes, the numbers are within the acceptable limits.

### Conclusions. . . ?

Obviously, wind velocity and line diameter are not the only parameters to consider in determining the vibration of the flying line. The angle, texture and length of the line also play a role, as do the density and viscosity of the air.

Readers who would like more details about my experiments or the physics of the singing line are invited to write to me at: 45 rue de la Houssiere, B-5873 Hevillers, Belgium. I would be happy to give them more information. ◇

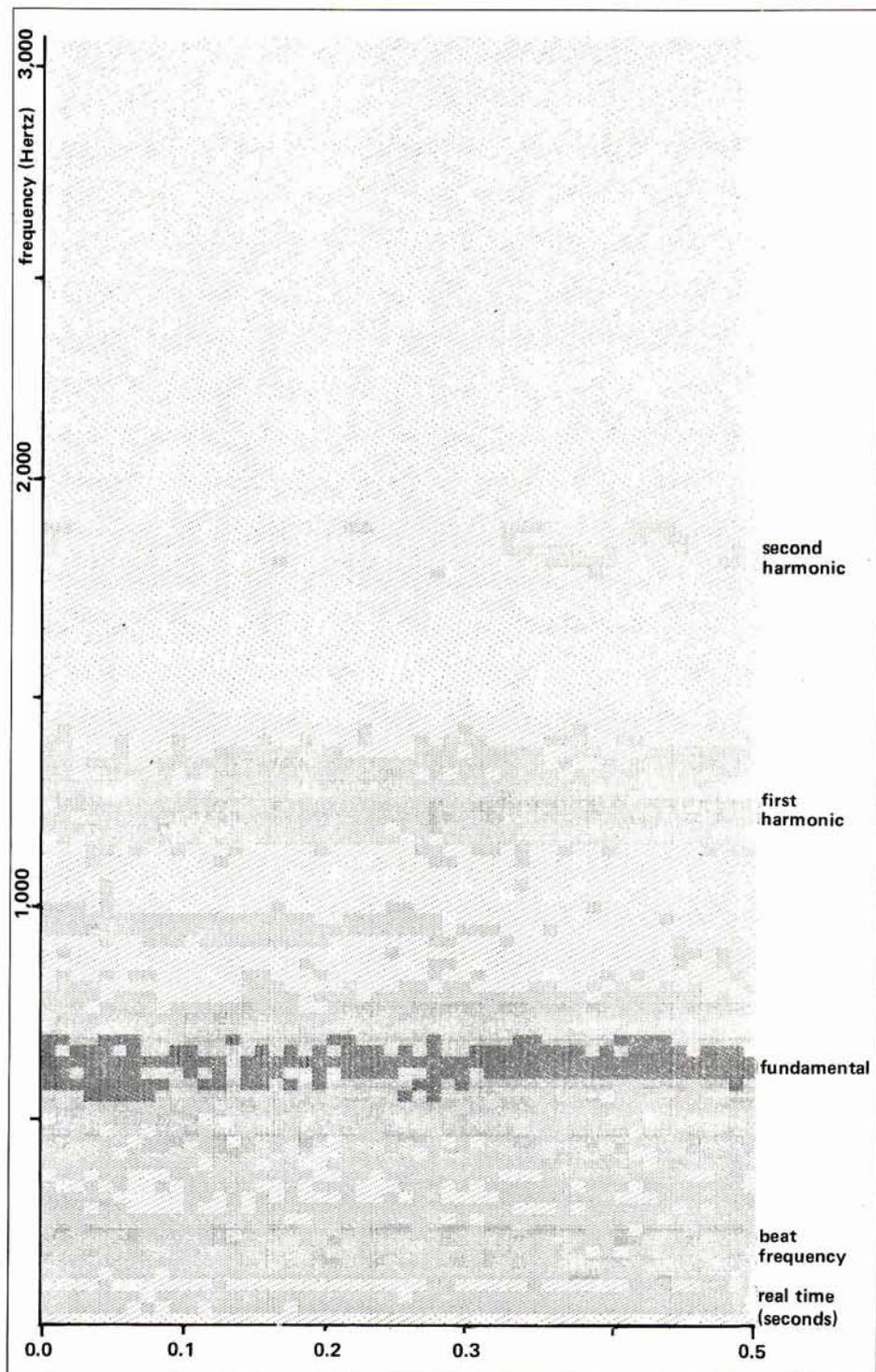


Fig. 4. The sonogram produced from the recorded sound signal.

*The material for this article originally appeared in three installments in the newsletter "Le Nouveau Cervoliste Belge." The series was condensed and translated from the French for Kite Lines by Jacques Durieu.*



Sponsored by  
William R. Bigge  
and KITE LINES

# announcing the INTERNATIONAL INDOOR KITE EFFICIENCY CHALLENGE — Summer 1987 — site to be announced

## PREAMBLE

It is difficult to measure kite efficiency in the varying wind we usually get at kite contests. The pleasing results of the International Exposition of Small Kites, held indoors, and Mr. Bigge's successful measurements of lift and drag on an 18" x 24" sled, done indoors, inspire us to sponsor a kite efficiency competition—indoors.

In order to conduct the event in a reasonable amount of space, the size of the kite entries is restricted to 250 square inches (1,613 square centimeters). The purposes of the Challenge are: to demonstrate that some kites of moderate size can fly efficiently at walking speed, and to stimulate the design and construction of kites of high efficiency in terms of lift/drag and lift/weight.

\*We are considering a number of locations for the Challenge, but we welcome suggestions or invitations from our readers.

## AWARDS

- For greatest ratio of total lift to drag.....\$50
  - For greatest ratio of total lift to weight.....\$50
  - For greatest product of the two ratios.....\$200
- (We are twice as interested in the combination as the sum of the two.)
- Other cash awards will be made for the most efficient kites of particular classes (Eddy, facet, wedge, sled, etc.)
- There may also be awards for ingenuity, craftsmanship, beauty, spectators' choice or any combination.

All cash awards will be in U.S. dollars or converted to the currency of the recipient's country. Some awards may be made in the form of Lawrence Hargrave Australian \$20 notes.

In addition, each entrant will receive a Certificate of Participation.

## JUDGING

The efficiency prizes will be awarded on the basis of measurements made by a panel of judges under the direction of Chief Judge William R. Bigge. Decisions of the judges shall be final.

## RULES & REGULATIONS

1. The area of the kite shall not exceed 250 square inches (1,613 square centimeters). Area is the maximum projected. Multiple surfaces all count (as in box kites, biplane kites, etc.), but inflatable kites count as one surface. The optimum size may be smaller, especially for lift/weight. Actually, we hope most kites will not need to be measured. Of course, all kites will be weighed.
2. The kites will be mechanically towed at a brisk walking speed of 4 mph (1.8mps), and lift and drag recorded. Repeated flights will be made if necessary to determine winners. The tow point shall not be longer than 48 inches (122 cm) from the flying surface.
3. Entrants may enter more than one kite. All kites entered will be flown and evaluated. It is possible that an entrant could win the three main awards with different kites.
4. All entrants enter on the same basis regardless of age or experience. The judges and KITE LINES staff may not enter kites.
5. The kite(s) may be of any design but must be made by the entrant.
6. An entry form (for facsimile) must be submitted in advance. Included with the entry form must be an adequate drawing of the kite and a brief description of how it was made.
7. Entrants may attend the Challenge in person or may ship their kite(s) to the judging committee.
8. Ship your kite(s) in a reusable container to: I.I.K.E.C., c/o KITE LINES, 7106 Campfield Road, Baltimore, Maryland 21207-4699, USA. Consider insurance for your kite(s). Be sure to include with the kite(s) any special instructions, line or apparatus required for flying. Return shipment of entries will be made at KITE LINES expense within 90 days after the judging. Entrants may instruct that the kites be retained for archival uses.
9. KITE LINES reserves the right to photograph any kite entered and feature it in the journal, possibly with descriptions and measurements.
10. KITE LINES and all participants involved in the Challenge shall not be liable for any loss, injury or damage to any person or property arising from the Challenge or the shipping related to it.



**Bill Bigge, shown with most kites flown from one line in a snowstorm (also most kites destroyed after flying from one line), says: Let yourself go and build something TOO LIGHT to fly outdoors — why not?**

**WATCH THIS SPACE**  
Upcoming issues of KITE LINES will have further details or articles about the Challenge. A supply source list will be among them.

**I.I.K.E.C. ENTRY FORM** (Please print)

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip Code, Country \_\_\_\_\_

Telephone (include area code) \_\_\_\_\_

Check appropriate box:

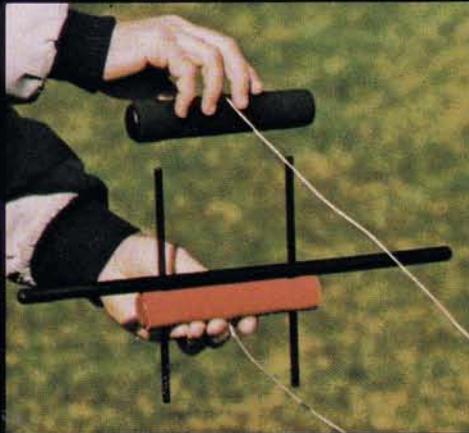
I will bring my kite to the Challenge in person.

I will send my kite to the Challenge committee.

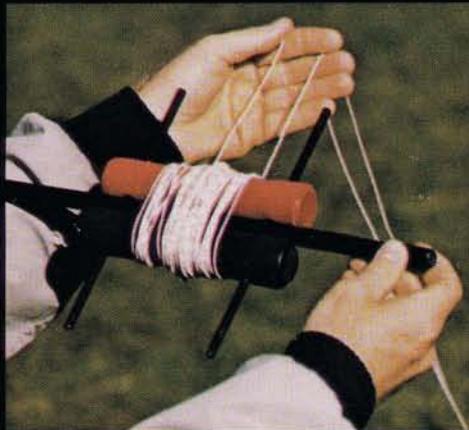
Signature \_\_\_\_\_

Date \_\_\_\_\_

Grab a piece  
of the sky. . .



be ready to go  
in seconds.



# **Sky Claw**™

STUNT HANDLES & WINDER

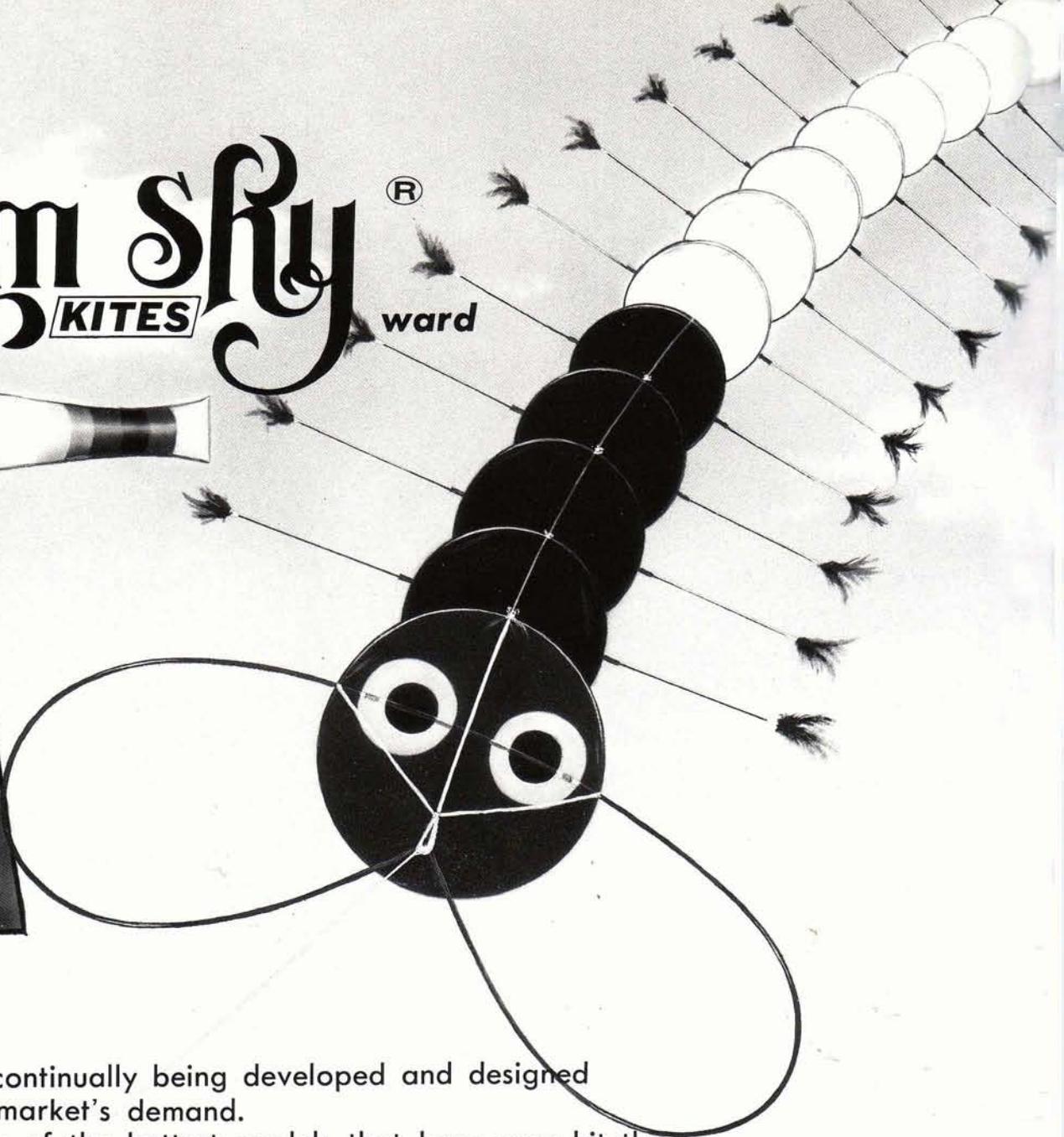
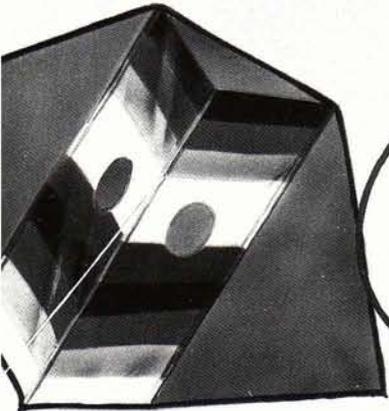
shanti  
kite  
spools

2021 Folsom Street, San Francisco, California 94110 • (415) 621-4260

©1985, patent pending



# Aim Sky<sup>®</sup> KITES



Aim Sky<sup>®</sup> are continually being developed and designed to meet your market's demand.

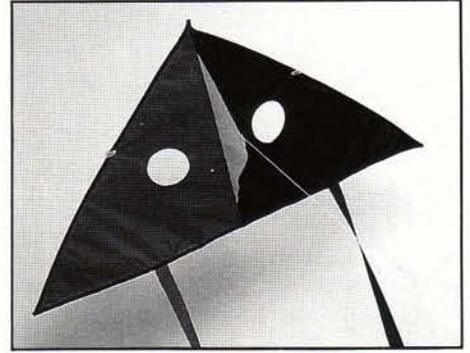
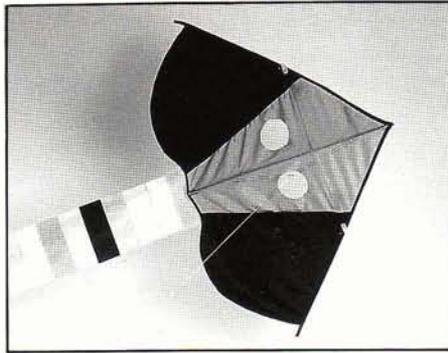
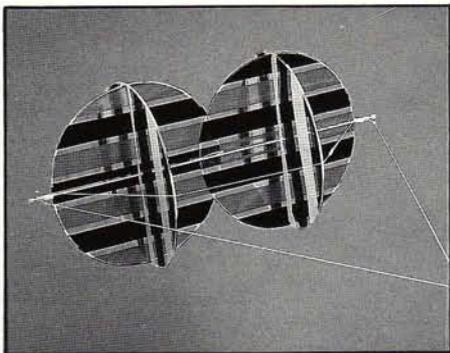
We have some of the hottest models that have ever hit the kite industry.

We welcome O.E.M.s.

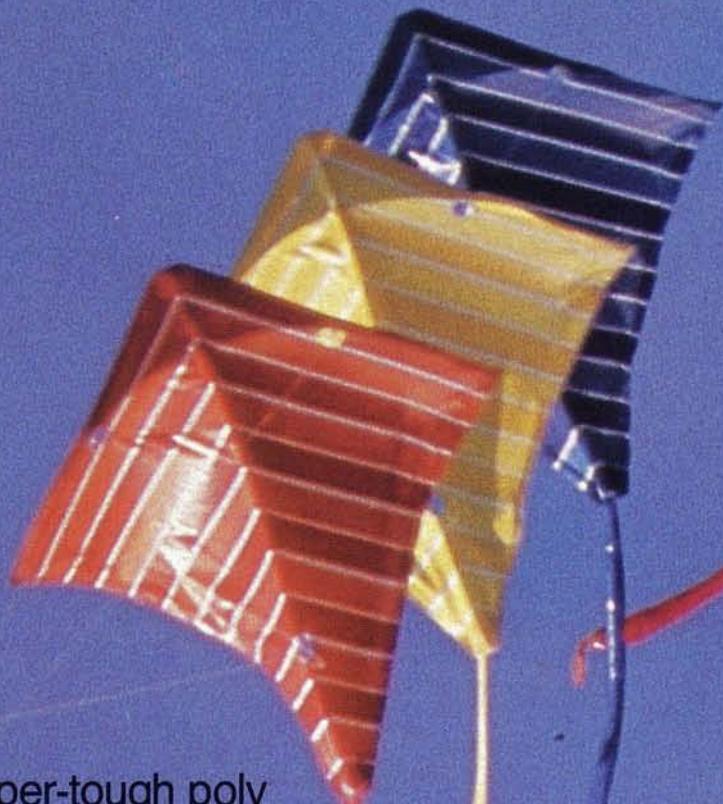
Feel free to contact us today for our complete catalogue and price list.

## Aim Sky<sup>®</sup> KITES

Amtex Corp.  
6431 E. Alondra Boulevard  
Paramount, CA 90723  
Phone: (213) 408-1973  
Telex: 857318 PONICA



**TRILBY STUNT KITES. ALWAYS  
TURNING UP WITH THE BEST IN  
DESIGN AND PERFORMANCE.**



Available in super-tough poly  
or first quality rip-stop sails.

**trilby** **KITES**

P.O. Box 415 Dept. K, Old Greenwich, CT 06870  
(203) 357-8233



# Empty Spaces in the Sky . . . Will Yolen: A Kiteman

**W**ILL HYATT YOLEN, listed by *Who's Who* as the kiteflying champion of the world, died in Holyoke, MA on November 19, 1985 at age 77 after a long battle with Parkinson's disease.

Few kitefliers are aware of Will's career before he was a kiteflier. It included being a newspaper editor, magazine writer, columnist for United Features, script writer for NBC, promotion director at Warner Bros., radio writer in London during World War II, freelance writer in the U.S. (contributing to *This Week*, *Life*, *Parade* and other periodicals) and vice-president and editor of book and magazine services at Hill and Knowlton, the well-known New York public relations firm. He was also active in associations for veterans and authors, as well as the Overseas Press Club (of which he was presi-



Will Yolen, International Kiteflying Champion  
 "Hold your challengers at bay  
 and keep sending out press releases."

David Stemple

dent in 1946) and the Adventurers Club. It was not until he was in his late 30s that he flew a kite, a Rogallo Flexikite in Central Park, New York City. On a trip to India in 1959, he fought a kite duel with the Maharajah of Bharatpur in Uttar Pradesh. After his victory he proclaimed himself world champion, but he did not become well-known until 1961, when Red Smith, the noted sports writer, told Will's stories in a four-part series in the *New York Herald Tribune*.

In 1963, Will's first book on kites, *The Young Sportsman's Guide to Kite Flying*, was published. Full of wit and sophistication, it was the first voice to legitimize kiteflying for adults. Parts of the book were incorporated into Will's 1976 work, *The Complete Book of Kites and Kite Flying*. Though both titles are now out of print, they are valuable references for any library. The articles and books tell of Will's kite adventures: in Egypt flying a kite while riding a camel; in Moscow's Red Square flying a kite bearing the word "detente" in Russian and English; in Central Park flying a kite advertising Lindsay for Mayor—and asserting rights of free speech; at Yale University coaching a kite team. Will also made attempts to set world records with kites, including a duration record of seven days and one hour in 1977 and a controversial try at the record for most kites flown from one line (178 in 1974).

Will leaves his daughter Jane Yolen Stemple, a prolific and respected author, in Hatfield, MA; his son Steve, a newspaper editor in Brazil; five grandchildren; and thousands of friends. Mel and I are not alone in our sense of loss.

—Valerie Govig

*Rick Kinnaird sent us the following words:*  
 Jim Lambrakis of Grandmaster Kites knew Will Yolen in New York and used to say that Will could come into a town and generate more publicity than anyone else—on just about anything. At an early Maryland Kite Festival, Will came to Baltimore as the International Kiteflying Champion squaring off to meet local counter-claimer Ed Hanrahan and determine once and for all who the champion was. On the day of the big event it rained, but the next day there was a huge article in *The Sun* reporting all, and sure enough,

## INTERNATIONAL KITEFLIERS ASSOCIATION

WILL YOLEN  
 President and Founder

Hatfield, Massachusetts  
 August, 1984

Dear Kite Friends:

It is my pleasure to welcome you to the ranks of the International Kitefliers Association. Over 35,000 kites have become part of the IKA family over the years. If you are not already among us, you can become a member by simple self-declaration. Your card and membership are free.

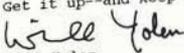
As you may know, illness has kept me from taking an active part in kiting in the last few years. Kite Lines has been assisting me in some of my kite affairs. Now I have asked the magazine to carry the IKA forward as I am unable to do and to perpetuate the principles of IKA as I founded it.

The IKA has no dues, no meetings, no officers, no responsibilities—just kiteflying. It is a non-serious non-organization devoted to the promotion of LEVITY IN ALL THINGS—ESPECIALLY IN KITES. The IKA keeps the sense of humor in kiting. Ours is an on-the-air sport—and we furnish part of the air.

In IKA, "no responsibilities" means just that. You give service to kiting any time you do nothing more than fly your kites in freedom and dignity as the winds prevail. Your membership entails no other rights, privileges or obligations.

Likewise it is a tenet of IKA that you need never buy anything from or through it. Your membership card is free on request. The IKA operates on the principle that you should buy only what you need.

The IKA endorses all kitefliers and kite clubs who do good things for kiting around the world. The IKA resists any efforts to formalize, tax or burden the friendships of kiting. May our hearts and hands reach skyward—  
 together, with levity. And may we live by the IKA motto: Worldwide Friends through Kiteflying!

Get it up—and keep it up!  
  
 Will Yolen

P.S. For membership requests, please contact Kite Lines, 7106 Campfield Road, Baltimore, MD 21207, USA. Kindly enclose a self-addressed stamped envelope. Thank you.

## for All Seasons

Will was quoted. While drinking Bloody Marys from a thermos in the back of a car, he said, "We will get higher than those kites ever would have."

Will was one of the people who got me into kiteflying. He claimed to have an International Kitefliers Association of some 35,000 people—the number he had handed out his cards to saying they were now members. Val Govig used to get awfully annoyed and say, "That is no association," but in a way it was, because that was kiteflying to Will—the people he had met. It is that loose-knit fraternity that really binds us all together—that's part of what kiting is all about.

I met Will on two occasions. Once was in 1976 at the Maryland Kite Festival, where I learned a classic Yolenism on the subject of how to be a champion: "Hold your challengers at bay and keep sending out press releases." The second time was in New York City when I delivered a copy of the *Kite Lines* magazine with the article about him in it.\*

Since then from time to time I would write Will a letter or send him a press release—just because I knew he would get a kick out of it. In one such letter I asked him if he had any contacts in Russia who were kitefliers. I knew that at the time he was very sick and had to dictate letters to his nurse, but I got a response back from him saying, "Kiteflying in Russia is like wife-swapping in Westport, CT: if you go to a party with your wife, you come home with nobody." Imagine—a man in his physical condition dictating such a comment to his nurse.

Another great memory I have is from sending Will my press release saying I was going to break a world record for largest stunt kite. I got back my release with a note attached striking the word "Mr." in front of my name and the word "great" in the fourth paragraph. With these changes, Will approved the press release.

We've lost someone who conveyed to us his sense of combined whimsy and grandeur that have become part of kiting's philosophic bond. That is what I will miss more than anything with Will's death. ◇

\*Spring-Summer 1980 (Vol. 3, No. 2), pp. 16-19, "Searching for the Real Will Yolen," by Valerie Govig. A later article, "A Visit to Will Yolen," appeared in the Spring 1985 *Kite Lines* (Vol. 5, No. 3), p. 51.

# Our Retail Family Scrapbook



Ronna Tsutsui

**Store:** Let's Fly a Kite,  
13755 Fiji Way, Marina  
del Rey, CA 90291

**Amount of display space:**  
300 square feet, "plus  
outdoors, up the walls,  
over the ceiling..."

**Hours:** Seven days a week,  
11-9 Nov.-May,  
10-10 June-Oct.

**Number of years in  
business:** 12

**Number of years profit-  
able:** 7 ("The first 5  
years were nothing")

**Number of years carried  
Kite Lines:** 9

**Owners:** Gloria and Charles  
Lugo

**Ages:** 50 and 51

**Favorite food:** Japanese

**Last book read:** *Texas*, by  
Michener

**Last kite book read:** *Flight  
Patterns*, by Leland Toy

**Favorite flying spot:**  
Venice beach

**Latest promotional effort:**  
"My October kite festival"

**Specialty of the shop:**  
"Trouble-shooting, train-  
ing, teaching, helping—  
not just selling"

**Best sale I ever made:** "A

\$1,000 sale—someone  
from Brazil—he just kept  
pointing and pointing"

**Nicest sale I ever made:** "An  
80-year-old man at Christ-  
mas spent \$300 in kites  
and said, 'I don't want my  
family to look at the  
ground like pigs; I want  
them to look at the sky.'"

**Favorite issue of Kite Lines:**  
Summer-Fall 1983—"Of  
course it has to be the  
one with Tyrus [Wong]  
on the cover. I think the  
quality of *Kite Lines* is  
just superb."

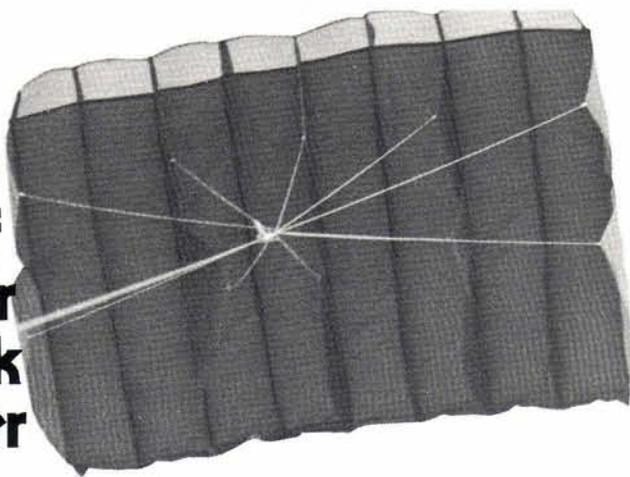
## Kite Lines

Learn all about the benefits of doing it.

Write for retailers information package to:  
*Kite Lines*, 7106 Campfield Road,  
Baltimore, MD 21207-4699, USA.  
Or call us at: 301-484-6287.



# The J-(7.5x2) or, Foils of a Feather Stuck Together



By Mel Govig

**T**ELL ME THIS: Why don't kite manufacturers (including Jalbert) offer high-aspect-ratio parafoils in small, convenient sizes, such as 10 or 15 square feet?

I know I am not alone in favoring the wider dimensions over the standard 3 x 5 ratio. But unless you have the skill and patience of a Doug Hagaman, George Ham or Gray Marshall, or can afford a custom-made parafoil, it seems you are stuck with the "long" model. Well, there is good news tonight!

For some time I had the notion to sew two J-7.5 parafoils together to make a "wide" J-15. Recently, while in North Carolina on business, I contacted the Kite Kingdom in Kill Devil Hills to get a matching pair of J-7.5s. At last I had both the urge and the materials to do my J-(7.5x2).

One night about 10 o'clock, I finally turned to the task. (Isn't that when most kitefliers start building a new kite?)

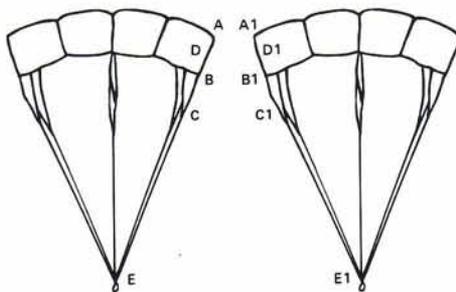
If you are like me and have had a two-hour project turn into a life's work, then you know the tension I felt as I swept away unfinished jobs from the workbench. Not to worry: the sewing took only 45 minutes and the bridling another half hour. Total time on the project was one hour and 15 minutes in two sessions.

If you want to try it yourself, here is how I did it.

The only tools I used were a sewing machine (I used zigzag stitch but straight stitch would be just as good) and a pair of scissors. Materials were simply the two kites and polyester thread.

Remove all the existing bridle lines from the two kites. They will be replaced later by much longer lines.

Choose the sides of the parafoils that you plan to join. Choose the left side of one and the right side of the other to give you the most consistent match of seams and keels. If possible, make this comparison in the store, before you buy the kites.



The sewing on soft kites is not an absolute science, so the quality of the seams may vary from kite to kite and seam to seam.

1. Place one kite upside down on top of the other kite. Align the two factory-stitched seams (A and A1) which you are going to join. Now sew them, from leading edge to trailing edge, along the existing rows of stitching. Avoid altering the shape or dimensions of the cells.

2. Flip the top kite right side up to discover that the seam is now well hidden inside the fold of the fabric. Now you will join the second side seams (B and B1), so align them and sew, again from leading edge to trailing edge, along the original stitch line. The two kites are now joined together, side by side, by two rows of stitching.

3. Sew the edges of the adjacent keels (C and C1) together, making them double thick. Start with the rear keels, since they are overlapped by the front keels. You may end up joining the leading and trailing keels together at the kite's midsection, but it won't hurt the kite.

4. Sew the two center risers (D and D1) together into one, double thick—just stitch the loose edges together in front.

5. Rebridle the kite. I used identical length (72-inch) bridle legs from the point of each keel. That's ten legs replacing the original twelve. The longer bridles give the kite a nearly flat appearance in the air.

Flying the J-(7.5x2) is very satisfying. The kite requires no drogue and rises to a better angle (70 degrees for me) than the "long" models. However, the kite has as much pull as you expect from any parafoil, so put on the gloves. ◇

## Clubwatch

A number of individual clubs have joined forces under the banner of the **California Kite Group**, according to Leland Toy, the treasurer. Tony Cyphert of San Diego has been chosen as interim president while Corey Jensen of Monterey holds down the vice-presidential spot. Contact Richard Reynolds, the secretary, at 4317 Elmer Street, North Hollywood, CA 91602.

Here's good news for Missouri kitefliers east of Kansas City from Harvey E. Voss: the formation of the **Gateway Kite Club**. Contact Harvey at 9413 Dickerson Drive, St. Louis, MO 63136.

The just-off-the-ground **Columbia Kite Fliers** (reported in the last issue) held a meeting and changed its name to **The Ben-Franklin Kite Society**. According to Larry Zilar, secretary and one of the founders, the new name originates from two adjoining counties—Benton and Franklin. The group's first president is Greg Greger. Contact Larry Zilar at 1030 West 14th Avenue, Kennewick, WA 99337.

**Le Nouveau Cervoliste Belge** continues to hold regular meetings the last Sunday of each month at Louvain-la-Neuve and the first Sunday in Antwerp. Contact the president, Jacques Durieu, at 45 rue de la Houssiere, B-5873 Hevillers, Belgium.

Also in Belgium, the **Kite Aerial Photography Worldwide Association** is planning a global contest to commemorate the 100th anniversary of the first aerial photograph taken from a kite. Contact Michel Dusariez, president, at 14 avenue Capitaine Piret, B-1150 Bruxelles, Belgium. The club is known locally as **L'Association Mondiale de Photographie par Cerf-Volant**.

From Denmark, we have news from three clubs. The **Exosfaeren Kite Club** is over 15 years old and each year arranges two kite festivals: one in May and one in September. Contact the president, Lars Koudal, at 17 Banegaardsgade, DK-8000 Aarhus-C, Denmark.

The **Midtbyens Drageklub**, founded in September 1984, can be contacted through Jørgen Møller Hansen at Knudrigsgade 41, DK-8000 Aarhus-C, Denmark.

The newest is the **Dansk Drage Klub**, founded in May 1985. Contact the president, Finn Jensen, at Sølvagervej 8, 4500 Nykøbing Sj., Denmark.

We continue to urge kite clubs everywhere to keep us informed about their activities. In exchange for their news and newsletters, we are happy to send them copies of *Kite Lines*. Keep in touch. ◇

# QUICKSILVER . . .



# . . . AND COMPANY.

## What a happy combination!

For more information about our new line of **PEANUTS** Mylar® kites, please contact Neil or Lynn at **QUICKSILVER KITES**, 1385 Harrison Street, San Francisco, CA 94103, (415) 864-2479; or 10 Orchard Terrace, Dublin 7, EIRE, (353-1) 307260.

1985 QUICKSILVER KITES • PEANUTS CHARACTERS: ©1958, 1965 UNITED FEATURE SYNDICATE, INC.

Come to the Fifth Annual

# SUNFEST 86

In Ocean City, Maryland  
for the weekend of  
September 19-20-21 for  
Flight, Fun, Food & Fame!

For more information, contact the Kite Loft,  
P.O. Box 551, Ocean City, MD 21842, 301-289-7855



Here's your bonus poster from KITE LINES! Additional copies are available for \$1 each from your favorite kite shop or direct from KITE LINES. To remove your poster, carefully unbend staples, pull out pages, then push down staples. Hang your poster on your favorite kite wall and enjoy!

# 1986 Kite Calendar & Almanac

Up goes a giant rokkaku kite of hand-painted ripstop nylon, about five meters (16 feet) high made by Katsutaka Murooka of Japan. The kite takes 12 men to put up at Singapore 1985.



All Calendar Photographs  
by Jacques Fissier  
of the Singapore International Kite Festival,  
January 25-26, 1985

---

A magnificent sky over Singapore is spangled with kites, including a wagging 150-foot-long dragon from Weifang, Shandong Province, People's Republic of China. Above it is a cobra and below it a wau bulan kite by Robert Foong of Singapore. At left are two Conyne derivatives flown by France's team.



## THE KITE FESTIVAL LONGEVITY HONOR ROLL

### The Giant Kite Festivals of Japan

Hamamatsu  
May 3-5  
approximately 400 years old

Shirone  
Early June  
approximately 300 years old

Hoshubana  
May 5-7  
approximately 250 years old

Sagamihara  
May 5-7  
approximately 150 years old

Zama  
May 5-7  
approximately 85 years old

### Kite Festivals in the United States

Kiwanis Kite Tournament  
Third Sunday in April  
Sac City, Iowa  
61 years old

Jacksonville Kite Tournament  
First Saturday in March  
Jacksonville, Florida  
61 years old

Zilker Park Kite Contest  
Second Sunday in March  
Austin, Texas  
58 years old

Ocean Beach Kite Festival & Parade  
Second Saturday in March  
San Diego, California  
38 years old

**A**S BIG AS IT IS, the 1986 Kite Calendar as published here is by no means exhaustive. Many events were beyond our reach at the time we prepared the Calendar. Others are sure to occur on short notice during the year. And then there are those informal flies that many kite clubs hold continuously (monthly or bimonthly, for example) that are simply too numerous to fit within the scope of this Calendar.

Even though we verified as many kite events as possible, we received no response to many of our inquiries. We do not list from secondary sources. So if *you* are in charge of a kite event (festival, contest, fly, competition, meeting, convention—call it what you will), *please* tell us about it.

For future Calendars, send us name and date of event, number of years held, site and city, and a contact name, mailing address and telephone number.

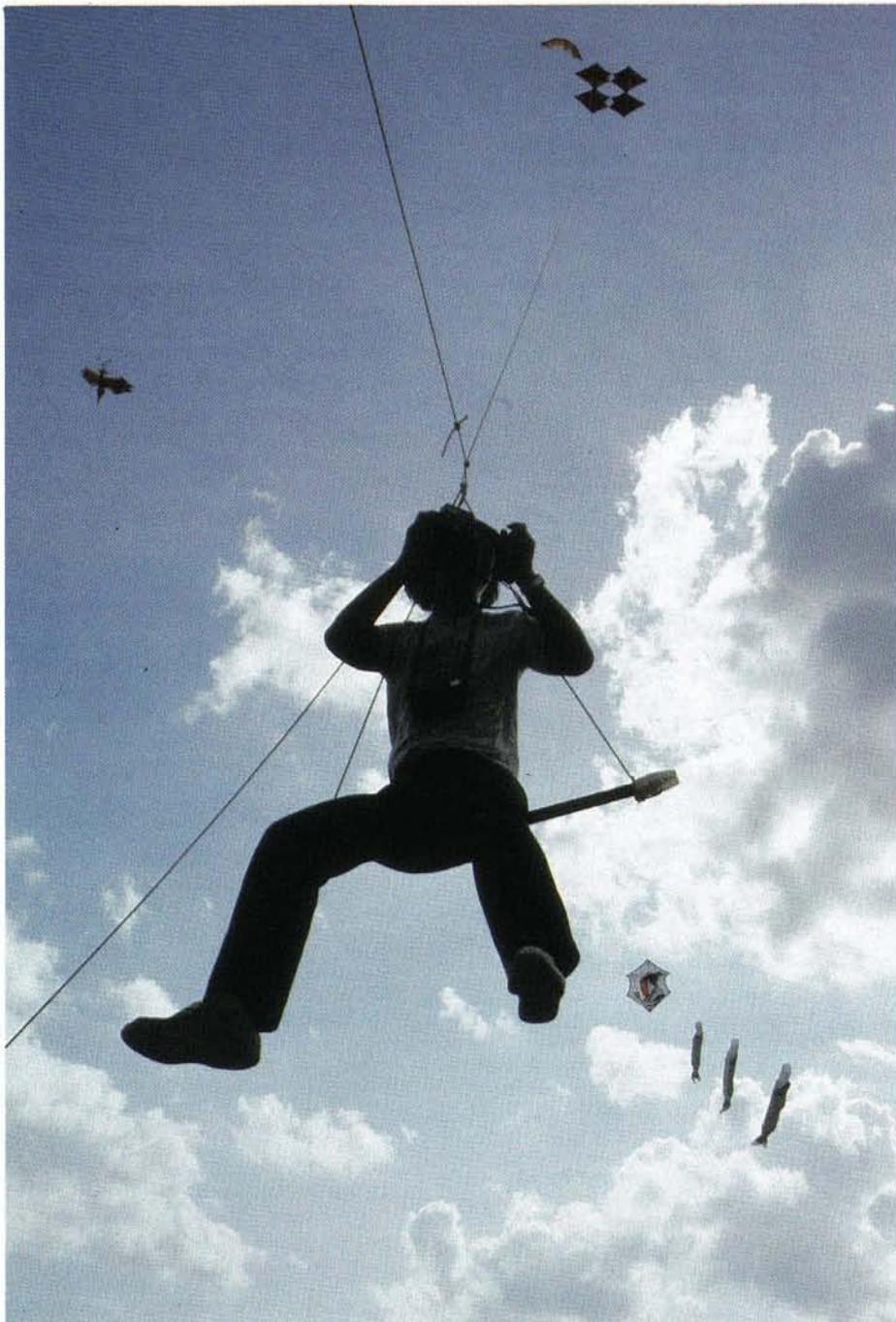
Yes, we will publish the Kite Calendar annually from now on. Also we expect to print updating information in intervening issues of *Kite Lines*. And now that we have kite events on computer, we can respond at any time to requests for special information. For example, you as a subscriber can have a festival list printed out by month, by location or by other factors, for a \$5 service charge. We intend to provide not only a *magazine* for you, but *service* to you as a kiteflier and valued subscriber.

Will you enjoy the kite events in this Calendar? We give no guarantees! Long-established kite days are apt to be larger and better organized. On the other hand, new events may have freshness and enthusiasm to make up for lack of experience. There is—thank goodness—no standardized format for running kite festivals.

If you want to become a student of the subject, we suggest you start by reading the 12-page article, "New American Tradition: Kite Festivals! and How to Build One of Your Own," from the Spring-Summer 1978 *Kite Lines*. If you can't lay your hands on a copy, the article is available in reprint for \$3 postpaid from *Kite Lines*. Related articles appear from time to time in the magazine. Ask for our help. We will be only too happy.

You see, it was a *kite festival*, back in 1961, that started me off on a lifetime flight that hasn't ended yet. I hope the events we've listed in this Calendar bring some of that kite festival euphoria to *you*.

—Valerie Govig



Tan Kim Hui and instant camera are lifted about 20 feet by kite at Singapore 1985. The kites at work are New Zealander Peter Lynn's Tri-D box kite and, beyond it, delta.

# JANUARY

S	M	T	W	T	F	S
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

**Jan. 1** New Year's Day.

**Jan. 2** Thomas E. Perrins of Philadelphia, PA receives first kite patent in USA, number 51,860, in 1866.

**Jan. 4** Wellington City/Radio Windy Kite Day, McAllister Park, Newtown, Wellington, New Zealand. Contact: Bob Maysom, New Zealand Kitefliers Assn., 9 Kene Rd., Paremata, Wellington, New Zealand, tel: 33-1963.

**Jan. 13** All India Kite Flying Competition, including exhibit of foreign kites, 4th annual, Juhu Scheme Veer-Par, West Bombay, Maharashtra, India. Awards: gold and silver trophies. Contact: Suresh Manoj, Maharashtra Kites Games Assn., Kishore-Kendra, S.M. Road 2, Kandivli, West Bombay, India.

**Jan. 14** Utran (kite fighting day) in India. Very competitive; traditional day for flying and fighting from rooftops throughout India.

**Jan. 15** Midnight Festival of the Lantern Kites, China. Traditional Chinese holiday, also known as The Hour of the Ox Festival of the Lantern Kites.

**Jan. 17** Benjamin Franklin born, 1706.

**Jan. 18** Ben Franklin's Birthday Kite Contest, 16th annual, Independence Mall, Philadelphia, PA, USA. Contact: Office of the City Representative, 1660 Municipal Services Bldg., Philadelphia, PA 19107, tel: 215-686-3676.

**Jan. 19** Army Lt. H. D. Wise, using a train of 4 Hargrave-style box kites, accomplishes the first person to fly kite in the USA, 1896.

**Jan. 20** Martin Luther King, Jr.'s Birthday, USA.

**Jan. 25-26** Singapore International Kite Festival 6th annual, Marina South, Singapore. Top award \$1,500 Singapore. Foreign visitors invited expense-paid except transport. Attendance 10,000. Contact: C. Loh, Singapore Tourist Promotion Board, 131 Tudor City, Tanglin Rd., Singapore 1024, tel: 2356611.

**Jan. 26** Lower Hutt Early Days Festival, Hunt River Bank, Avalon, New Zealand. Contact: Bob Maysom, New Zealand Kitefliers Assn., 9 Kene Rd., Paremata, Wellington, New Zealand, tel: 33-1963.

**Jan. 31** Feb. 2: Kite Retreat, 7th. Great Oak Landing, Chestertown, MD, USA. Fee \$10, plus \$130 room and meals, noncompetitive workshop weekend. Contact: Arnold Simon, Maryland Kite Society, 3715 Menlo Dr., Baltimore, MD 21215, tel: 301-367-5931.

# FEBRUARY

S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

**Feb. 1-2** Hamilton City Kite Day, Innes Common, Hamilton, New Zealand. Contact: Logan Fow, Waikato Kite Club, PO Box 6042, Hamilton, New Zealand, tel: 49-6712.

**Feb. 9** Radio Awaraki Auckland Festival, Auckland Domain, Auckland, New Zealand. Contact: Promotions Manager, Radio Awaraki, Private Bag, Auckland, New Zealand.

**Feb. 14** St. Valentine's Day.

**Feb. 14-16** Festival International de Chirings, Lajas Lajas, Puerto Rico, USA. Contact: Israel Rodriguez, Buzon 4018, Rta 2, Lajas, PR 00667.

**Feb. 15** Come On Spring Kite Fly, on the beach. On a String, 10,000 Noncompetitive. Contact: Steve Rubin or Corey Jensen, Windborne Kites, 585 Cannery Row #105, Monterey, CA 93940, tel: 408-373-7422.

**Feb. 15** and following dates: Kite Workshop and Show, 4th annual, recreation centers in Austin, TX, USA. Fee \$1, noncompetitive. Contact: L. B. Tyler, Northwest Recreation Center, 2913 Northland Dr., Austin, TX 78731, tel: 512-458-4107.

**Feb. 16** Winter Kite Carnival, 5th annual, Univ. of MA, near stadium, off Rocky Hill Rd., Amherst, MA, USA. Noncompetitive. Contact: Zolan and Dorothea Sarbo, Contact: On a String, 10,000, Box 54, Gilbertville, MA 01031, tel: 413-477-8574.

**Feb. 16** Radio Awaraki Kite Day, Hagley Park, Christchurch, New Zealand. Contact: Des Infield, Seagull Kite Co-op, PO Box 22440, Christchurch, New Zealand, tel: 50-637.

**Feb. 16** Open House, 7th annual, Kites Aweigh, Annapolis, MD, USA. Very non-competitive; free food and drinks. Contact: Brooks Leffer, Kites Aweigh, 6 Fleet St., Annapolis, MD 21401, tel: 301-268-6065.

**Feb. 17** Presidents' Day, USA.

# MARCH

S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

**Mar. 1** Jacksonville Kite Tournament, 61st annual, Hammond Playground, Jacksonville, FL, USA. Contact: Willy Carley, Jacksonville Dept. of Recreation, 85 W. Market St., Jacksonville, FL 32202, tel: 904-633-2663.

**Mar. 2** Kite Carnival, 27th annual, Melbourne, Australia. Noncompetitive. Contact: Helen Bushnell, Australian Kite Assn., 10 Elm Grove, East Key 3102, Victoria, Australia, tel: 859-1673.

**Mar. 2** Carlisle Kite Festival, 2nd annual, Dickinson College Intramural Fields, Carlisle, PA, USA. Kitemaking on field, materials supplied; rokkaku challenge. Contact: Carlisle Parks & Recreation Dept., 415 Franklin St., Carlisle, PA 17013, tel: 717-243-3318.

**Mar. 2** Porirua City Kite Day, Wincera Drive, Porirua, New Zealand. Contact: Bob Maysom, New Zealand Kitefliers Assn., 9 Kene Rd., Paremata, Wellington, New Zealand, tel: 33-1963.

**Mar. 7-10** Fort Worden Kite Retreat, Fort Worden, WA, USA. Noncompetitive workshop weekend. Room and meals \$62 plus \$8.50 materials fee. Contact: Washington Kitefliers Association, Contact: Martine Chatelet, 1915 N. 34th St., Seattle, WA 98103, tel: 206-633-4780.

**Mar. 8** Ocean Beach Kite Festival and Parade, 38th annual, Ocean Beach School, San Diego, CA, USA. Contact: Wil Green, Ocean Beach Recreation Council, 4726 Santa Monica Ave., San Diego, CA 92107.

**Mar. 8** Loch Haven Kite Festival, 11th annual, Loch Haven Park, Orlando, FL, USA. Registration fee \$1 per kite, pre-registration required for adults. Contact: Loch Haven Arts Center, 2416 N. Mills Ave., Orlando, FL 32803, tel: 305-896-4231.

**Mar. 9** Zilker Kite Contest, 58th annual, Zilker Park, Austin, TX, USA. Celebrating the Texas Sesquicentennial in 1986; attendance 2,000. Contact: Darlene Bergerhammer, Parks & Recreation Dept., PO Box 1088, Austin, TX 78767, tel: 512-472-5947.

**Mar. 9** Festival of the Kite, 11th annual, south of the pier, Redondo Beach, CA, USA. Contact: Lisa Joy, Sunshine Kite Co., 233-B Fisherman's Wharf, Redondo Beach, CA 90277, tel: 213-372-0508.

**Mar. 15** Rockford Kite Day & Workshop, Wilmington, DE, USA. Morning workshop at Christina Cultural Arts Center, 800 E. 7th St., Wilmington, DE 19801. Afternoon fly at Rockford Park, Delaware Ave., Wilmington, DE. Contact: Felix Cartagena, PO Box 7382, Newark, DE 19714, tel: 303-449-5356.

**Mar. 15** St. Patrick's Day Family Kite Carnival, Water Park, Coolidge, AZ, USA. Contact: Pam Ede-Wigton, Coolidge Recreation Dept., PO Box 1498, Coolidge, AZ 85228, tel: 602-723-4551.

**Mar. 15-16** Oahu Kite Flying Festival, 15th annual, Kapoli Park, Honolulu, HI, USA. Mar. 15 is for single-line kites, free; Mar. 16 is for dual-line kites, fee \$3. Contact: Douglas Mizuno, Dept. of Parks & Recreation, 1920 Ulukoua, Honolulu, HI 96819, tel: 808-841-0437.

**Mar. 15-25** Royal Thai Kite Festival, Pramin Ground (Sanam Luang), Bangkok, Thailand. Awards: Royal trophies. Contact: Piranya Sukchid, Boon Rawd Brewery Co., 999 Sam Sen Rd., Bangkok, Bangkok 10300, Thailand.

**Mar. 16** Gunston Hall Kite Festival, Gunston Hall Plantation, Lorton, VA, USA. Contact: Mary L. Allen, Gunston Hall Plantation, Lorton, VA 22079, tel: 703-590-9220.

**Mar. 17** Clean Monday, traditional day for kiteflying in Greece. Also, St. Patrick's Day.

**Mar. 20** First Day of Spring.

**Mar. 22** San Antonio Kite Fair, 25th annual, Brackenridge Park, San Antonio, TX, USA. Contact: Phyllis Alvarez, Dept. of Parks & Recreation, 950 E. Hildebrand, San Antonio, TX 78212, tel: 512-821-3115.

**Mar. 22** Smithsonian Kite Festival, 20th annual, Washington Monument Grounds, Washington, DC, USA. Contact: Bevan & Margo Brown, 6636 Kirkley Ave., McLean, VA 22101, tel: 703-893-3886.

**Mar. 22** Stone Mountain Endurance Contest, 17th annual, Stone Mountain Park, Stone Mountain, GA, USA. Contact: Ron Witt, Peach State Kite Club, 2349 Burch Cir., Atlanta, GA 30319, tel: 404-325-2557.

**Mar. 22** Spring Venice Pier Kite Festival, on the beach at Washington St., Marina del Rey, CA, USA. Noncompetitive. Contact: Gloria Lago, Let's Fly a Kite, 13755 Fiji Way, Marina del Rey, CA 90291, tel: 213-822-2561.

**Mar. 23** Kite Performance Contest, Jefferson Moore Fields, Waco, TX, USA. Formation flying for stunt kites. Contact: Donna Bates, Waco Parks & Recreation, PO Box 1370, Waco, TX 76702, tel: 817-752-1860.

**Mar. 28** Good Friday, traditional kiteflying day in Bermuda.

**Mar. 28** Great Delaware Kite Festival, 17th. Cape Henlopen State Park, Lewes, DE, USA. Contact: Barbara Jerrell, The Kite Shop, 49 Rehoboth Ave., Rehoboth Beach, DE 19971, tel: 302-227-1616.

**Mar. 29** Hit the Beach Kite Fly, Rehoboth Beach, DE, USA. Noncompetitive. Contact: Barbara Jerrell, The Kite Shop, 49 Rehoboth Ave., Rehoboth Beach, DE 19971, tel: 302-227-1616.

**Mar. 31** Jacksonville Kite Tournament, 61st annual, Hammond Playground, Jacksonville, FL, USA. Contact: Willy Carley, Jacksonville Dept. of Recreation, 85 W. Market St., Jacksonville, FL 32202, tel: 904-633-2663.

**Mar. 30** Napier Festival of the Winds, Anderson Park, Napier, New Zealand. Contact: James White, Kite Kave, PO Box 665, Napier, New Zealand, tel: 302-227-1616.

**Mar. 30-31** Blackheath Easter Kite Festival, Blackheath, London, England. Contact: Tony Cartwright, Blackheath Kite Assn., 78 Doggola Road, Tottenham, London N17 6EE, England, tel: 441-808-1280.

**Mar. 31** Palmerston North City Kite Day, Ongley Park, Palmerston North, New Zealand. Contact: Rodney Inteman, 127 Linton St., Palmerston North, New Zealand, tel: 73-662.

**End of March**: International Acrobatic and Fighting Kite Championship, Lac du Maine, Angers, France. Contact: Martine Chatelet, Ephemeres Millenaires, 58 rue Jean Bodin, 49000 Angers, France, tel: 41-88-61-72.

# APRIL

S	M	T	W	T	F	S
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

**Apr. 1** April Fool's Day.

**Apr. 1-5** Weifang International Kite Festival, 4th annual, Weifang, Shandong Province, People's Republic of China. Thousands of spectators. Contact: Sun Lirong, 42 Shengli St., Weifang, Shandong, People's Republic of China. Tour from America: Dave Checkley, PO Box 9081, Seattle, WA 98109, tel: 206-285-6262.

**Apr. 5** April Fool's Kite Fly, 3rd annual, Core Creek Park, Langhorne, PA, USA. Noncompetitive. Contact: Roger Chewning, The Meadow Mouse Gift Shop, 520 N. Pennsylvania Ave., Morrisville, PA 19067, tel: 215-736-8233.

**Apr. 6** Ben Franklin Kite Contest, 11th annual, Takoma Park Recreation Center, Takoma Park, MD, USA. Contact: Belle Ziegler, Takoma Park Recreation Center, Darwin & Grant Aves., Takoma Park, MD 20912, tel: 301-270-4048.

**Apr. 6** Williamsport Kite Festival, 2nd annual, Williamsport Area High School, Williamsport, PA, USA. Contact: Dave Ross, Box 59, Cogan Station, PA 17728, tel: 717-494-1473.

**Apr. 6** Sky Fest, 6th annual, Rittmuller Middle School, Frankenuuth, MI, USA. Awards. Contact: Gene Andrey Fischer, Kite Craft, 8028 Evergreen Park Dr., Saginaw, MI 48603, tel: 517-781-3029.

**Apr. 6** Blue Tails Over Berea, Berea College Intramural Field, Berea, KY, USA. Contact: Al Osborne, Blue Tail Fly, 207 Short St., Berea, KY 40403, tel: 606-986-1049.

**Apr. 12** Chesapeake Bay Kite Day, 9th annual, Sandy Point State Park, Annapolis, MD, USA. Contact: Brooks Leffer, Kites Aweigh, 6 Fleet St., Annapolis, MD 21401, tel: 301-268-6065.

**Apr. 12** Club L'Aquiline Kite Festival, 2nd annual, Villa Demidoff, Florence, Italy. For all students in elementary and high schools in Florence. Contact: Annemiek Rosati, Hobby Model, via A. Gramsci 24, Sesto Fiorentino, Florence, Italy.

**Apr. 12** Kite Workshop & Fly, Sharon Woods Metro Park, Columbus, OH, USA. Contact: Dave Holbrook, Central Ohio Kitefliers Assn., 457 Pittsfield Dr., Worthington, OH 43085, tel: 614-846-9957.

**Apr. 12** Festival of Kites, Berlinger Park, Southview Complex, Columbus, OH, USA. Contact: Dave Holbrook, Central Ohio Kitefliers Assn., 457 Pittsfield Dr., Worthington, OH 43085, tel: 614-846-9957.

**Apr. 13** Kite Flyte, 8th annual, Carl Smith Park, 21st & 129th E. Aves., Tulsa, OK, USA. Contact: John Cooney, Parks & Recreation Dept., 200 Civic Center, Suite 642, Tulsa, OK 74103, tel: 918-592-7877.

**Apr. 19** Broadmeadow Kite Day, 10th annual, Broadmeadow School, Middletown, DE, USA. Contact: Broadmeadow School, 500 S. Broad St., Middletown, DE 19709, tel: 302-378-9859.

**Apr. 20** Kiwanis Kite Tournament, 61st annual, Sac City Airport, Sac City, IA, USA. Contact: Gary Park, 1601 Martin St., Sac City, IA 50583, tel: 712-662-7227.

**Apr. 20** New York City Kite Festival, Sheep Meadow, Central Park, New York, NY, USA. Contact: David Klein, Go Fly a Kite, 120 Lexington Ave., New York, NY 10028, tel: 212-472-2623.

**Apr. 24** Passover begins at sundown.

**Apr. 26** Maryland Kite Festival, 20th annual, Asbury Methodist Home, Gaithersburg, MD, USA. Contact: Jon Burkhardt, Chairman, 7016 Buxton Terrace, Bethesda, MD 20817, tel: 301-229-6052.

**Apr. 26** Let's Paint the Skies, 6th annual, Castellano del Lago, Perugia, Italy. Foreign kitefliers receive partial expenses. Contact: Oliviero Olivieri, Associazione Italiana Aquilonisti, via Dandolo 19/a, 00153 Roma, Italy, tel: 3965811-474.

**Apr. 26-27** Spring Kite Festival "Fang den Wind" (Catch the Wind), 2nd annual, Friesland, Netherlands. Contact: Michael Steltzer, Vom Winde Verweht, Eisenacherstrasse 81, 1000 Berlin 62, Germany, tel: 030-784-7769.

**Apr. 26-27** Corpus Christi Kite Festival, Cole Park, Corpus Christi, TX, USA. Contact: Jay Sapp, 2501 N. Kites, 14225 S. Padre Island Dr., Corpus Christi, TX 78418, tel: 512-991-2062.

**Apr. 27** Jay Kilgore Memorial Fly (formerly Brown County Kite Fly), Nashville, IN, USA. Contact: Mary Kilgore, Rt. 1, Box 52, Nashville, IN 47448, tel: 812-988-7127.

**Apr. 27** Lubbock Kite Fly & Frisbee Flight, 7th annual, Lubbock, TX, USA. Contact: Gary King, Buffalo Bend, 801 University Ave., Lubbock, TX 79401, tel: 806-762-8353.

**Apr. 28-29** Japan Kite Association Kite Festival, Asagiri Park, near Mt. Fuji, Japan. Contact: Masaki Modoki, Japan Kite Assn., 11-12-10 Nihonbashi, Chuo-ku, Tokyo 103, Japan, tel: 03-271-2465.

# MAY

S	M	T	W	T	F	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

**May 17-19** Pentecost Kite Meeting, at the Castle of Wanne (Trois-Ponts), Belgium. Contact: Jacques Durie, Le Nouveau Cervoliste Blev, 45 rue de la Houssiere, B-5873 Hevillers, Belgium, tel: 010-65-02-00.

**May 18** Great Buffalo International Kite Festival, 10th annual, LaSalle Park, Buffalo, NY, USA. Noncompetitive. Contact: Dan Flitczer, 3122 Penora St., Depew, NY 14043, tel: 716-683-2819.

**May 18** Delaware County Kite Day, 6th annual, Rose Tree Park, Media, PA, USA. Contact: Terry Smith, Dept. of Parks & Recreation, 1671 N. Providence Rd., Media, PA 19063, tel: 215-565-4564.

**May 24** Duncans Mills Kite Festival, the old Duncans Mills Campground, Duncans Mills, CA, USA. Contact: Roma Robbins, The Crossing, PO Box 2848, Duncans Mills, CA 95430, tel: 707-865-2429.

**May 24-26** East Coast Stunt Kite Championships, on the beach at Wildwood, NJ, USA. \$2500 in prizes, registration fee \$10. deadline May 1st. Contact: Fran Gramkowski, High Fly Kite Co., 33 Evergreen Lane, Haddonfield, NJ 08033, tel: 609-429-6260.

**May 26** Memorial Day Kite Festival, 7th annual, Gas Works Park, Seattle, WA, USA. Theme: world peace. Contact: Ken Conrad, Great Winds, 402 Occidental Ave. S., Seattle, WA 98104, tel: 206-624-6886.

**May 31** June 1: Ferry Meadows Kite Festival, Ferry Meadows Country Park, Peterborough, Cambridgeshire, England. Parking fee 80p. Contact: Tom Fleming, Great Ouse Kite Fliers, 10 Laxton Close, Eaton Ford, St. Neots, Huntingdon, PE19 3AR, England, tel: 0480-210553.

**May 31** June 1: York Kite Festival, The Knavesmere, York, England. Contact: Jim Hargrave, 50 Old Brunby St., Scunthorpe DN16 2AN, England.

**May 31** Maui Kite Festival, 6th annual, Kalahele Park, Maui, HI, USA. Contact: John Harvey, High A Kite, 703 Front St., Lahaina, Maui, HI 96761, tel: 808-661-3159.

**June 13-15** International Fokker Kite Festival, Scheveningen, The Netherlands. Contact: Gerard van der Loo, Viegen-Op, Weteringdijk 54, 2515-AA den Haag, The Netherlands, tel: 070-855-85-86.

**June 14** Flag Day, USA.

**June 14** Rogallo Kite Festival, 4th annual, Milepost 13, Route 158 Bypass, Nags Head, NC, USA. Contact: Kathryn Howard, Kitty Hawk Kites, PO Box 840, Nags Head, NC 27959, tel: 919-441-4124.

**June 14** Kids and Kites, Families and Flights, 2nd annual, Pioneer Airport, Oshkosh, WI, USA. Contact: Chuck Larsen, EAA Aviation Foundation, Wittman Airfield, Oshkosh, WI 54903.

**June 14-15** Red, White & Blue Kite Festival, Agate Beach Wayside, Newport, OR, USA. Contact: Steve & Sandy Lamb, Catch the Wind, 266 SE Hwy. 101, Lincoln City, OR 97367, tel: 800-227-7878.

**June 15** Father's Day, USA.

**June 15** Father's Day Kite Festival, Marina Green, San Francisco, CA, USA. Awards & entry fee for contests only. Contact: Michael McFadden, Kitemakers of San Francisco, Pier 39, Space A-13, San Francisco, CA 94133, tel: 800-828-KITE.

**June 15** Father's Day Kite Fly, 6th annual, on the beach at 37th St., Brigantine, NJ, USA. Noncompetitive. Contact: Fran Gramkowski, High Fly Kite Co., 33 Evergreen Lane, Haddonfield, NJ 08033, tel: 609-429-6260.

**June 20-23** International DiAero Kite Flyers Meeting, 2nd annual, on Fanø (small island on west coast of Denmark). Contact: Wolfgang Schimmelpfening, Timmermannseder 11, 2000 Hamburg 71, West Germany, tel: 040-640-5199.

**June 21** First Day of Summer.

**June 22** Great Waltham Kite Festival, 12th annual, Great Waltham Playing Field, Essex, England. Contact: Kathleen Pike, Essex Kite Group, 34 Mortimer Rd., Rayleigh, Essex, England, tel: 774516.

**June 22** Oriental Kitefest, kitemaking and night fly, Alum Creek State Park beach, Columbus, OH, USA. Contact: Dave Holbrook, Central Ohio Kitefliers Assn., 457 Pittsfield Dr., Worthington, OH 43085, tel: 614-846-9957.

**June 25-29** Ceria Volante, 7th annual, on the Grazia Deledda free beach, Ceria, Italy. Contact: Roberto Guidori, Club Ceria Volante, Centro Sportivo via Pinarella 26, Ceria (Ravenna), Italy, tel: 0-544-971871.

**June 28** WIRA-EM Kite Fly, 12th annual, Warner Park, Madison, WI, USA. Contact: Cathy Simon, WIRA-EM, PO Box 95, Madison, WI 53701, tel: 608-274-5450.

**June 28** Bodega Bay Kite Festival, Salmon Creek beach on Hwy. 1, Bodega Bay, CA, USA. Contact: Roma Robbins, Harbor Kites, PO Box 811, Bodega Bay, CA 94923, tel: 707-875-3777.

**June 30** Canada Day Kite Festival, The Village Green, University of Waterloo, Waterloo, Ontario, Canada. Contact: Scott Urysholm, On the Strand, Box 902 Station Kitchener, Ontario, Canada N2G 4C5, tel: 519-745-7661.

**July 1** Kite Day, 7th annual, Ash Lawn, near Charlottesville, VA, USA. Free for kitefliers, \$1 for spectators. Contact: Ann Marie Weissert, Ash Lawn-Highland, Box 37, Charlottesville, VA 22901, tel: 804-925-9539.

**July 17** Rockaway Beach Kite Festival, 9th annual, Rockaway Beach state wayside, Rockaway Beach, OR, USA. Registration required. Contact: Roger Lovitt, The Kite Shop, PO Box 517, Rockaway Beach, OR 97136, tel: 503-355-8088.

**July 4** Independence Day, USA.

**July 4** Fourth of July Kite Celebration, 9th annual, on the beach at Ft. Ord, Monterey, CA, USA. Contact: Mark Soifer, Public Relations, City Hall, 9th & Asbury Ave., Monterey, CA 93926, tel: 609-399-6111.

**July 5-6** Shrewsbury Kite and Model Festival, Shrewsbury, England. Contact: James Beardall, Oakley Manor, Bellevue Rd., Shrewsbury, England, tel: 61411.

**July 5-6** Life's A Beach Summer Kite Fly, on the beach near Holiday Inn on Hwy. 1, Monterey, CA, USA. Contact: Corey Jensen, Windborne Kites, 585 Cannery Row, Monterey, CA 93940, tel: 408-373-7422.

**July 19** Wright Kite Festival, 9th annual, near the Wright Brothers National Memorial, Kill Devil Hills, NC, USA. Contact: Mary Ames, Kite Kingdom, PO Box 1036, Kill Devil Hills, NC 27948, tel: 919-441-6235.

**July 20** Wheatheat Kite Festival, 5th annual, Great Waltham Playing Field, Essex, England. Contact: Kathleen Pike, Essex Kite Group, 34 Mortimer Rd., Rayleigh, Essex, England, tel: 77-4516.

**July 26** Duncans Mills Kite Festival, the old Duncans Mills Campground, Duncans Mills, CA, USA. Contact: Roma Robbins, The Crossing, PO Box 2848, Duncans Mills, CA 95430, tel: 707-865-2429.

**July 26** Venice Pier Stunt Kite Competition, on the beach at Washington St., Marina del Rey, CA, USA. Contact: Gloria Lago, Let's Fly a Kite, 13755 Fiji Way, Marina del Rey, CA 90291, tel: 213-822-2561.

**July 26-27** Wessex Kite Festival, 6th annual, Royal Victoria Country Park, Netley, Hampshire, England. Admission charge for cars. Contact: Bill Bauch, Wessex Kite Group, 11 Norman House, Kent St., Northam, Southampton SO1 1SS, England, tel: 3799.

**July 26-27** Reelroots Days Kite Fly, on the beach, Reelroots, OR, USA. Contact: Lynn Lay, 2800 S.W. 89th, Portland, OR 97225, tel: 503-292-4335.

**Late July**: Loma Layang-Layang International Ball (Ball International Kite Festival).

**Aug. 9** San Diego Kite Festival, 13th annual, Mission Bay, Bonita Point, San Diego, CA, USA. Contact: Carol Hamilton, Seaport Kite Shop, 839-D W. Harbor Dr., San Diego, CA 92101, tel: 619-232-2268.

**Aug. 10** Dan's Papers Kite Fly, 9th annual, Peter's Pond Beach, Sagaponack, LI, NY, USA. Awards \$30. Contact: Dan Rattiner, Dan's Papers, PO Drawer AR, Bridgehampton, NY 11932, tel: 516-537-0500.

**Aug. 19-24** Washington State International Kite Festival, 6th annual, Long Beach, WA, USA. Contact: WSIKF, PO Box 797, Long Beach, WA 98631, tel: 206-665-5744 or 206-642-2353.

**Aug. 23** Hawaii Kitefliers Association Kite Festival, 5th annual, Kapoli Park, Honolulu, HI, USA. Awards: fee for stunt kite contest \$3. Contact: Robert Loera, Kite Fantasy, 2863 Kalakaua Ave., Honolulu, HI 96815, tel: 808-732-KITE.

**Aug. 24** Bournemouth International Kite Festival, 4th annual, Hengistbury Head, near Christchurch, Dorset, England. Contact: Bill Bauch, Wessex Kite Group, 11 Norman House, Kent St., Northam, Southampton SO1 1SS, England, tel: 37990.

**Aug. 25** Oslo Kite Festival, 3rd annual, Ekkebergsteien in suburb of Oslo, Norway. Contact: Aftenposten, Akersgt. 51, Postboks 1, Oslo 1, Norway, tel: 02-205060.

**Aug. 30** Bodega Bay Kite Festival, Salmon Creek beach on Hwy. 1, Bodega Bay, CA, USA. Contact: Roma Robbins, Harbor Kites, PO Box 811, Bodega Bay, CA 94923, tel: 707-875-3777.

**Aug. 30-31** US Air Force Museum Labor Day Weekend Kite Festival, 3rd annual, Dayton, OH, USA. Contact: Dayton Air Force Museum, Dayton, OH, USA. Workshops Saturday, competition Sunday. Contact: Education Office, Wright-Patterson Air Force Base, OH 45309, tel: 513-255-3284.

**Aug. 30-31** Sunfest Kite Festival, 6th annual, on the beach at 5th St., Ocean City, MD, USA. Contact: Mary Ochs, The Kite Loft, PO Box 551, Ocean City, MD 21842, tel: 301-289-7855.

**Sept. 20-21** Berlin International Kite Festival and National Stunt Kite Competition of Germany, Freizeitpark Marienfelde, Berlin, West Germany. Contact: Michael Steltzer, Vom Winde Verweht, Eisenacherstrasse 81, 1000 Berlin 62, West Germany, tel: 030-784-7769.

**Sept. 21** Toronto Autumn Kite Carnival, 3rd annual, Humber Bay Park, Toronto, Ontario, Canada. Contact: Ray Wismer, Touch the Sky, 836 Yonge St., Toronto, Ontario, Canada M4W 2H1, tel: 416-964-0434.

**Sept. 23** First Day of Fall.

**Sept. 27-28** Lincoln City International Kite Festival, 9th annual, D River Wayside, Lincoln City, OR, USA. Contact: Steve & Sandy Lamb, 266 SE Hwy. 101, Lincoln City, OR 97367, tel: 800-227-7878.

**Oct. 2-5** American Kitefliers Assn. - Noncompetitive Rally, Old Westbury, NY, USA. Contact: Tom Casselman, 365 Riverside St., Portsmouth, RI 02871, tel: 401-683-4880.

**Oct. 4** Rosh Hashana begins at sundown.

**Oct. 5** British Kite Flying Association - Noncompetitive. Contact: Ron Moulton, B.K.F.A., PO Box 35, Welford House, Wolsley Rd., Hemel Hempstead, Hertfordshire, England HP2 4SS, tel: 01-442-41221.

**Oct. 11** Hair of the Dog Kite Fly, 2nd annual, on the beach near the Holiday Inn, Monterey, CA, USA. Noncompetitive. Contact: Corey Jensen, Windborne Kites, 585 Cannery Row, Monterey, CA 93940, tel: 408-373-7422.

**Oct. 11** One Sky, One World, international kitemaking for peace, culmination of week-long activities in various locations worldwide. Contact: Jane Ambrose, PO Box 11149, Highland Station, Denver, CO 80211, USA, tel: 303-443-9518 or 303-443-7518.

**Oct. 13** Vom Kipper. Also: Columbus Day, USA.

**Oct. 18** Ekstra Bladet's Kite Festival, 2nd annual, Dyrehaven, Copenhagen, Denmark. Awards include trip for 2 to Stockholm: attendance 10,000. Contact: Peter Nielsen, Ekstra Bladet, Raadhuspladsen 33, 1885 Copenhagen, Denmark, tel: 01-118511.

**Oct. 24** First issue of Kite Tales mailed by Bob Ingraham, 1964.

**Oct. 25** Halloween Venice Pier Kite Festival, on the beach at Washington St., Marina del Rey, CA, USA. Noncompetitive. Contact: Gloria Lago, Let's Fly a Kite, 13755 Fiji Way, Marina del Rey, CA 90291, tel: 213-822-2561.

**Oct. 31**: Halloween, USA.

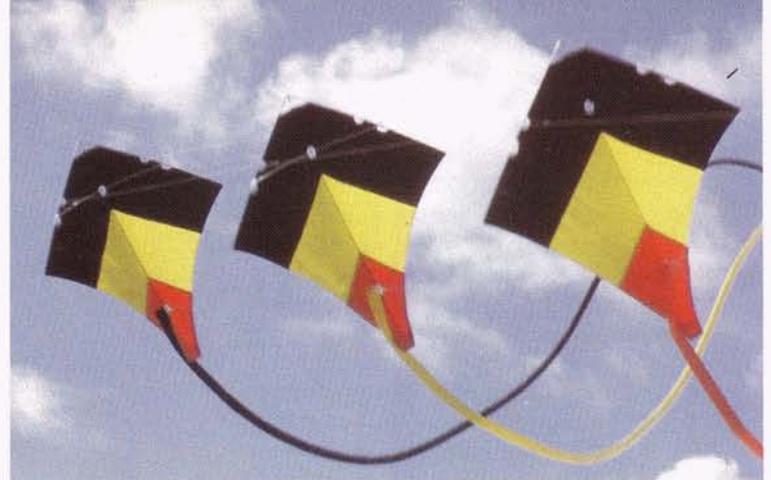
Here reprinted for the world to enjoy, is the FREE "Owners Manual" that goes with every (Genuine, accept no substitutes) ORIGINAL Windspinner.

<p><b>A Light-hearted Look at Our New Spinnin' Rainbows</b></p> <p>The Windspinner can put a rainbow on your kite, home, bike or your hands! even in your hands!</p> <p>Here's How...</p>	<p>3' to 4' apart</p> <p>Tie a 3' or 4' line to the bridle point</p>	<p>Use a plastic or metal ring to attach to your kite's line.</p>	<p>Here's how to put your Windspinner on a stick or bike flag pole.</p> <p>2" rubber or plastic tubing over wood dowel or flag pole.</p>	<p>Tip-toe-in thru the tulips with rainbows in your hands.</p> <p>You can always, spin down some help.</p>
<p>Maintenance Dept.</p> <p>Put a drop or two of oil or vaseline jelly in the barrel to keep on spinnin'.</p>	<p>Exterior Decorating</p>	<p>This is really beautiful ... stack them up your kite line.</p>	<p>The Windspinner as a watermelon carrier....</p>	<p>Try to convince your friends that this is really a propeller....</p>
<p>JUST finished</p> <p>Spinnin' down lover's lane.</p>	<p>We don't suggest you try this ... our ad-man has a strange sense of humor.</p>	<p>Would you believe a fishin' net?</p>	<p>Well, even the maker of Windspinners has his own fantasies....</p>	<p>You can always, spin down some help.</p>
<p>Windspinner Tales by: George Peters &amp; Bill Tyrrell Copyright 8/83</p> <p>REORDER FROM YOUR KITE SHOP</p> <p>The Kitestuff Co. 51 Layle Lane Doylestown, PA 18901</p>	<p>hello... NASA?</p>	<p>Would you believe a fishin' net?</p>	<p>Well, even the maker of Windspinners has his own fantasies....</p>	<p>You can always, spin down some help.</p>

**The Kitestuff Co.**  
**51 Layle La.**  
**Doylestown, PA 18901**  
**215-348-1744**

Over 80,000 genuine original Windspinners sold!

Now that you see how much fun our ORIGINAL WINDSPINNER is... why not buy some now? Only \$6.50 each post paid. Retailers, let us show you why we've made more than anyone. On letterhead, write for your Wholesale Kit.



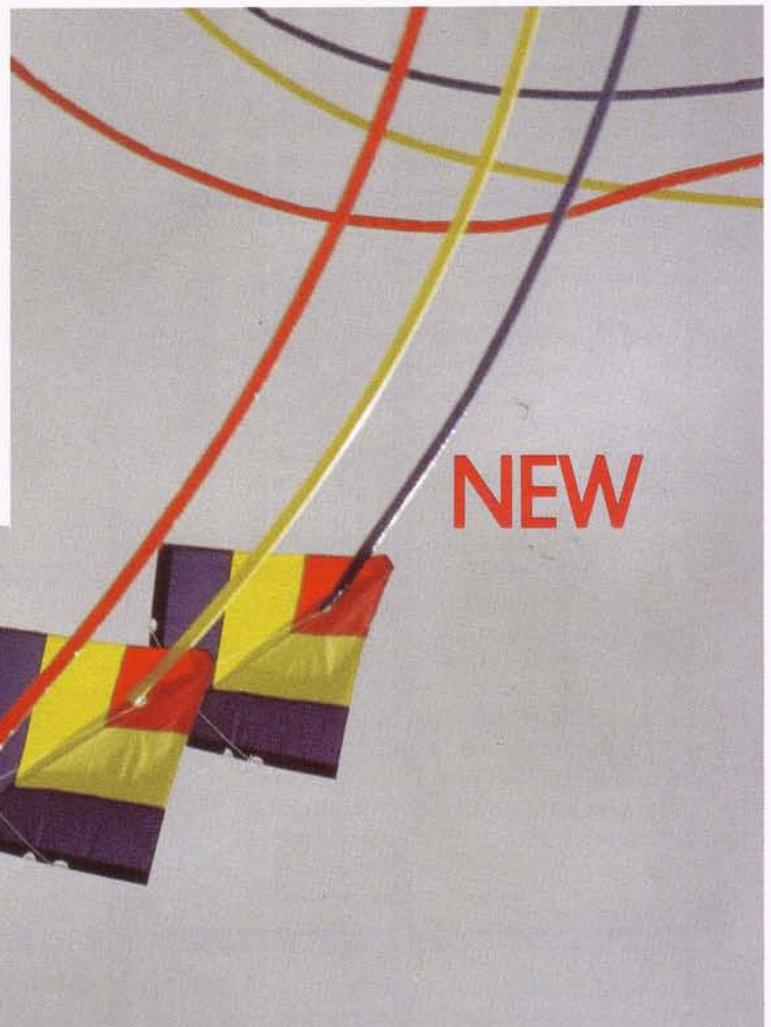
# THE NUMBER ONE STUNT KITE

**5 MILLION SOLD**

Singles, Triples and Six Trains.

**READY TO FLY**

With Heavy Duty Handles or Wrist Straps  
Wound With Dacron or Spliced Kevlar



**NEW**

**NEW  
IMPROVEMENTS**

# PETER POWELL STUNT KITES

1040 N.E. 43 Court  
Telephone 305-565-5588

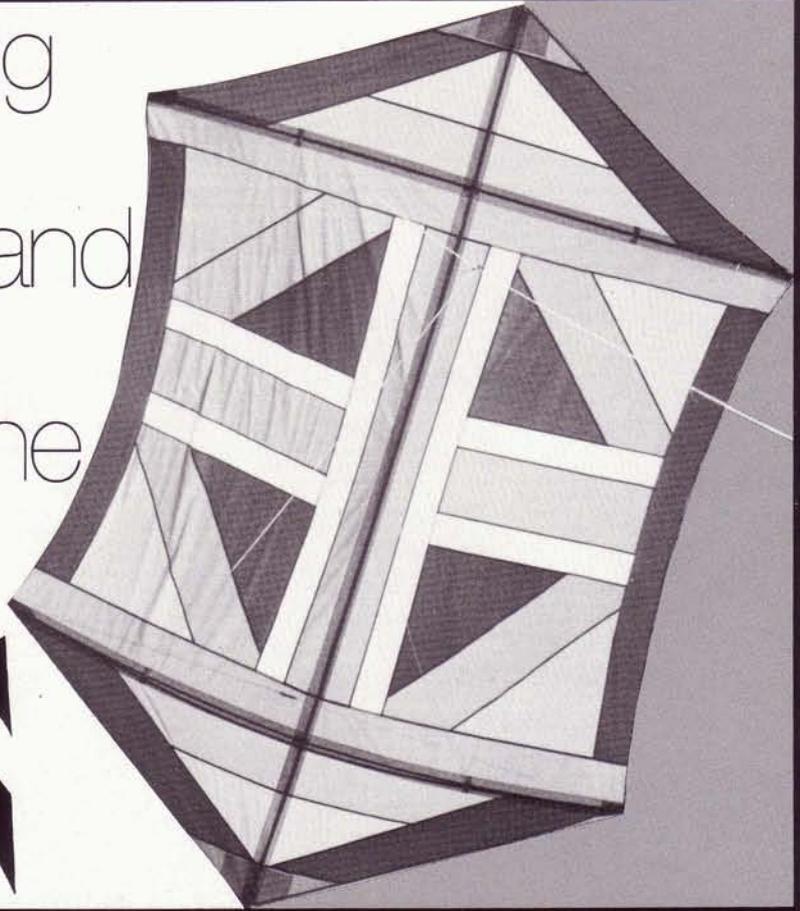
Fort Lauderdale, Florida 33334  
Telex 514365

For outstanding  
quality, beauty,  
performance and  
excellence of  
design — fly the  
OMEGA kite

the finest in the  
world of kiting,  
by Reza

HI FLI KITES, LTD  
12101 C East Iliff  
Aurora, Colorado  
80014

(303) 755-6105



CTW's Giant Spinsocks  
dominated TV's "Knots Landing"  
beach scene shot at beautiful  
Newport, Oregon, summer 1984.



# CATCH THE WIND

Catch the Wind kite shops are located along the beautiful Oregon coast in Lincoln City, Agate Beach, Newport and Florence. Besides having some of the biggest and busiest kite stores in the world, Catch the Wind has been manufacturing its own product line of quality kites and accessories since 1981. We have a special commitment to beauty and durability — and innovation.

Ask for our catalog.  
Call Toll-Free for Orders  
1-800-227-7878  
Visa, MC, Amex  
AKA discount

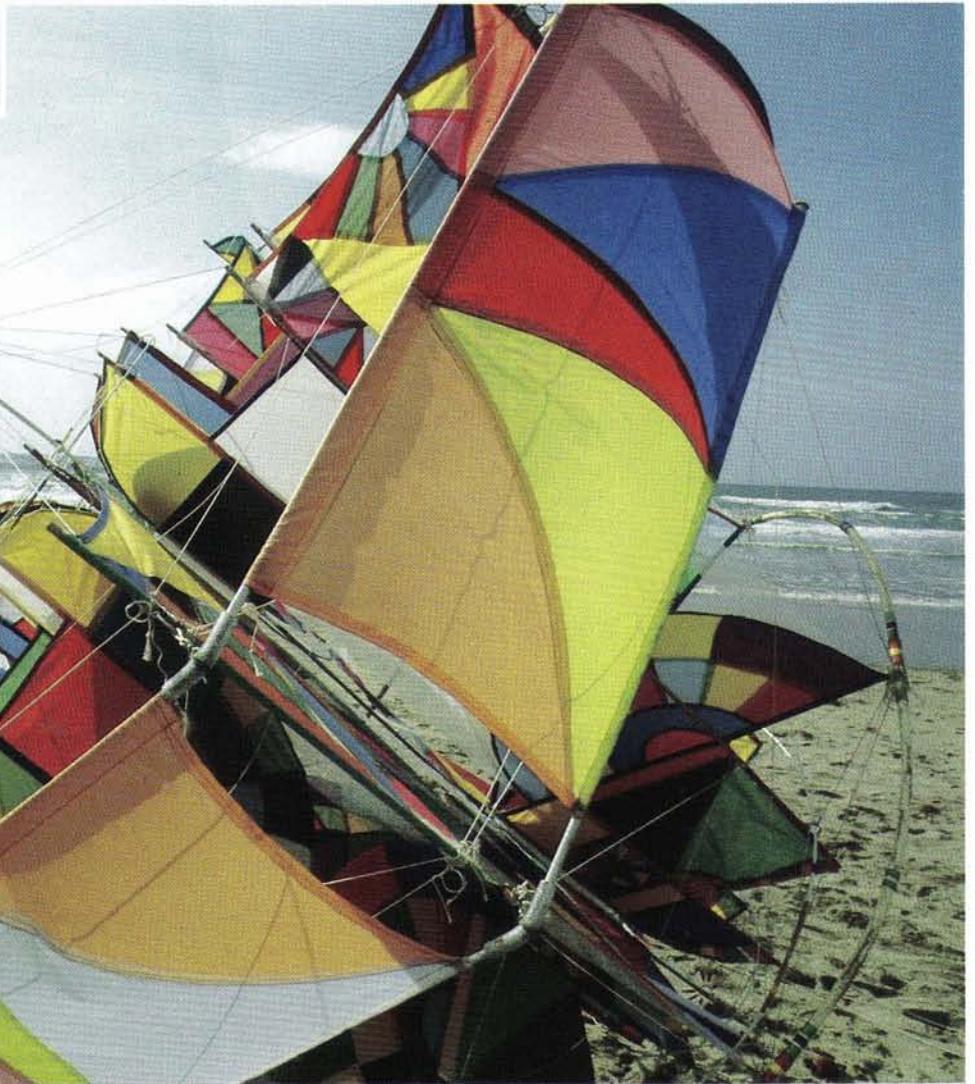
CATCH THE WIND  
266 S.E. Hwy. 101  
Lincoln City, OR 97367  
(503) 994-9500

We are especially proud of our new spinning windsocks which we call "Spinsocks"™. The Spinsock was declared best new manufacturer's kite accessory of 1984 at the AKA convention in Nashville. Our 42" Spinsock is ideal for most kites: made of rugged resin-coated 3/4-oz. ripstop nylon, the rainbow colors blur and pulsate as they swirl down the windsock's length in barberpole fashion. Only \$14.95 Available in other sizes, too. Check with the kite dealer nearest you or call or write to us at Catch the Wind.

# Scheveningen

Fokker International Kite Festival • Scheveningen

Article by  
Valerie Govig



**S**CHEVENINGEN is a blessed beach. The strand runs long and wide beside the resort city, filled with shopping attractions (from Gucci leathers to Tex-Mex food), hotels and restaurants in all sizes and flavors, plus amusements such as the wave pool and the Kurhaus casino.

Tidy gardens please the eye and patterned brick dwellings wear lace curtains and flower boxes at every window. Pavilions on the beach offer snacks and sunbathing behind glass wind-screens. A pier and a promenade invite swarms of walkers and bicyclers.

But without the kites we would not be here. As for the wind—well, here is where you come to throw away your excuses. Almost anything will fly in this environment. If a festival emphasizes the

spectacular—and this one does—then the kites not only please the crowds, they draw them. This is what you have in Scheveningen,\* and it explains why the resort foundation joined with Vlieger-OP (the kite store in the adjacent city of The Hague) to start the festival eight years ago. Additional sponsorship was added by Fokker from the festival's third year.

However, as we arrive in town at the Badhotel (which is a *good* hotel), we are worried by the rain then falling. Will it continue?

It's to be a heady three days and a frenzied job for Gerard van der Loo, owner of Vlieger-Op and impresario of

\*One of the first things I try to do here is learn how to pronounce Scheveningen (roughly SHGAY-vening'n, with a guttural G).

the festival. Bouncy, smiling, curly-haired Gerard and a group of 40 or 50 people put on the kite "show" here. Gerard seems very calm when he announces that the weather will clear up tomorrow.

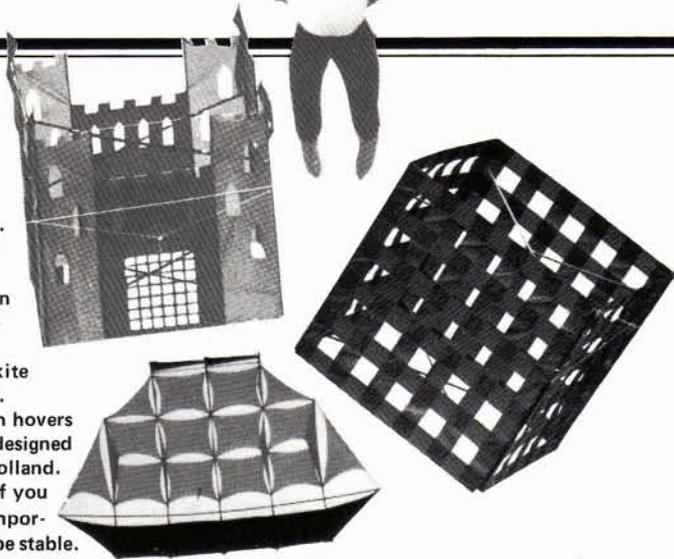
Friday starts the festival with a sociable "kite conference." Besides lunch, dinner and scheduled speakers (in English), there is time for comments and interchange.

First we listen to Mr. Swing of Fokker, recounting the history of the Dutch aircraft company from its start in 1900. The story is interesting, especially the part about Fokker's having developed and tested box kites (Hargrave forms) for protection against bombers. The kite was similar to the Sauls Naval Barrage Kite except that the Fokker had dihedral in the forward cell. Sadly, Swing ends, "No-

# n Is Kiteland!

neveningen, Netherlands • 21-23 June 1985

Photographs by  
Jacques Fissier



Opposite center, a multivaned, multicolor box kite made by Dutchman J. Henelryk, a deaf person of whom little is known. Inset, dragon kite by Xie-Huiquan, People's Republic of China. This page left, sky train of 1000 kites flown by a music club of Voorschoten, Holland, led by John Velthuizen. Below, field marshal van der Loo followed by Filip Van Hecke of Belgium with his kite "Gouden Regen" (Golden Rain). Right, Martin Lester's flying man hovers over crate, boat and castle kites designed by Jan Pieter Kuil of Utrecht, Holland. Jan says: "The principle is that if you make enough holes (shape not important) in a one-cell box kite it will be stable. Interesting forms can be created this way."



body knows what happened to the kites." All models, drawings and patterns in glass and marble were destroyed before the invasion to keep them from the Nazis.

Michael Steltzer of Berlin and Skye Morrison of Canada talk next, about the Deutsches Museum in Munich, which has the only standing kite exhibit in Europe. It includes a Roloplan and other old original models, but has poor representation of contemporary kites.

Gerard asks me to speak about world records. I read from a letter sent from *Kite Lines* to the *Guinness Book of Records*. (See story in the *Summer-Fall 1985 issue of Kite Lines*).

Next we see a colorful video tape of the second (1984) Weifang International Kite Festival in Shandong Province,

People's Republic of China. The extravaganza includes not only kites but a whole town dressed up and on parade for the festival. The synchronized zeal reflects evident economic interest, since kites, along with diesel engines, are a major industry there. It is said that 200,000 people attend this festival.

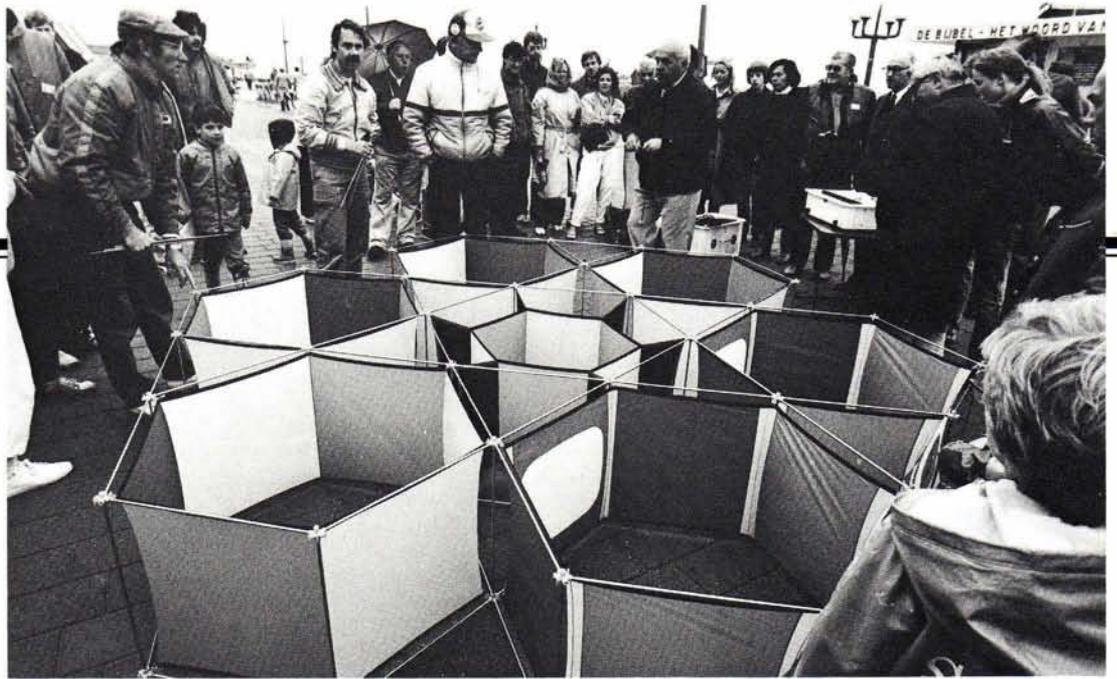
I try to talk to the Chinese kitefliers here in Scheveningen through the interpreter for the group of ten. It is rather difficult so I hand them a copy of *Kite Lines* and hope it will speak for me. (Later I see the magazine passing from hand to hand, accompanied by chatter in Chinese.)

The evening is full of more videos and slides from Singapore and Scheveningen. Through the evening over mellow drafts

of Heineken, we find many old and new friends. There is a large group from West Germany, including the enigmatic Helmut Preller, who started the Drachen Club Deutschland in 1984. His journal, *Kiting*, is a well-designed full-color publication in German with an international audience. Preller and I talk too long and lose sleep that we need for tomorrow.

Saturday morning is gray and cold. Everyone ignores this and goes out to the beach—but which part? We aren't told, and all nine of us Americans\* start flying at the wrong end of the shore. There are many kites here. I start flying my old favorite Stacked Deltas with a *Kite Lines*

\*Bevan, Margo and Stephanie Brown; Jon and Kris Burkhardt; Mike and Sue Carroll; and Mel and Valerie Govig



banner streaming from it in the typically strong winds.

Further down the beach is a train of yellow kites of delta-like form, twisting about with drogues in what seems to be an experiment. At such a distance we don't realize how large the kites are or that a personlift is being attempted. We assume we will see the train later, closer to the main area. It is not to happen, and we have missed a close-up view of Dr. Hössle's *Himmelbett*, the most original kite production at Scheveningen. (See *Best of Show in the Summer-Fall 1985 Kite Lines*.)

Finally, we move to the other end of the beach, where the kites are abundant, even crowded. Here behind fences the spectators gather to gaze and applaud.

The Chinese team is attracting the most attention with a long centipede kite made by Xie Hui-quan. The sun starts to crack through and the dragon's golden horns shine. This kite is made in the traditional manner, of bamboo with fabric and paper covering and feather-tipped outriggers—the "feet" of the centipede. The kite's 120 disks are spread out along the beach with team members stationed at intervals along it.

**R**ELLEASE! The kite quickly rises to a high angle, where from the side it looks like a pole in the wind. Only when I look up the line do I see ripples at the upper end. The kite appears almost easy to fly, but the men like to shout and haul on the line occasionally to create movement in the kite and "spectacle" for the crowd. The onshore winds pull the kite right over the promenade, where it squirms in a risky spot over the heads of the tantalized onlookers. So close yet so far. This kite, more than most, gives one

the sense of perpetual suspension that is so much a part of the delight of kites. The sensation reminds me of being at the baseball park at that hovering moment when you think you're going to catch a fly ball.

This dragon is but one of two the Chinese have brought, not to mention their trains of bird and other figure kites.

I am happy now to spot my friend and photographer Jacques Fissier, who is moving around taking pictures and notes. I have given up flying my own kites—I am too busy walking, scribbling, talking and looking.

André Cassagnes of France is flying a large "BAC"—which stands for Belles André Cassagnes, and is a play on words: BAC is a degree in French schools. Eight years a kiteflier, white-haired Andre is never still on the beach. He greets me with a hearty, "Bonjour, madame *Kite Lines*!" One cannot but love his kites in all their profuse glory.

The BAC is based on modules that are linked by plastic connectors made by Cassagnes himself. He can arrange the modules in new formats each time he flies. The cells are sewn in many colors and because of this the kite appears to have even more cells than it does. Some of the cells are decorated with eyes and mouths—the kite looks back at you.

But kites are not the only thing that André Cassagnes wants to show us. To the line, he attaches climbers (note the plural). One is two big pink ovals with eyes on them. It rides up the line to the stopping point, snaps shut and slides down. Now another, larger climber: a hexagonal box with interchangeable center vanes of different colors and twirling capabilities, permitting the device to revolve as it climbs. Now watch—one, two, three—

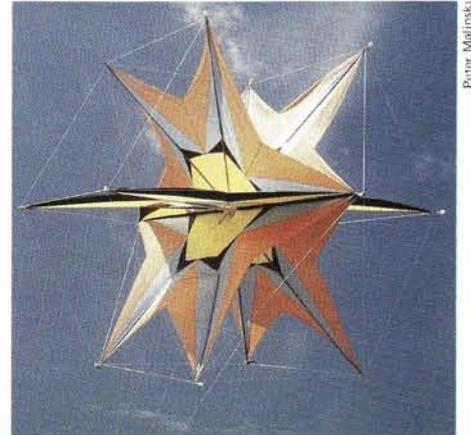
zippy little climbers run up to the hexagon, snap closed and whisk down—a climber after a climber!

Clouds thicken and raindrops start to fall, but André is oblivious. Others of us get out our rain jackets and admit it is a shower. We duck under the umbrellas along the beachside cafes, forced to stop for lunch, surprised to see so many kites still flying—especially Cassagnes'. For these strong winds, he flies a delta stunter that is wonderfully noisy, growling its way back and forth across the beach. Later we will see André's collection of "Oregon-style" Spinsocks, conical line twirlers that he uses several at a time.

The rain stops and the sun shines through the clouds! Activity picks up immediately.

**T**HE DUTCH are among the most enthusiastic kites in the world. It seems hardly necessary that visitors be invited from other countries, because the Dutch provide a large and spectacular festival themselves.

For example, the number of trains here is beyond counting. One 50-kite Eddy train flies with apparent ease and looks beautiful, though it is all light blue against the troubled gray sky. I see one well-crafted 180-kite train by Theo Beerends, but I haven't time to inspect a 250-piece train on the other side of the beach! Now I hurry over to talk to the flier of a train of birds, 60 of them, made in the style of Ohashi ("mustache kites," the Dutch call them) with down-trailing side wings. John Verheij of The Hague, an editor of the Dutch journal *Vlieger*, is the maker and flier of this train. He used two colors of nylon in each bird and framed them with 2mm-dia. fiberglass rod. The length of the fiberglass determined the



Peter Malinski

Opposite, just to the right of center, André Cassagnes of France assembles his "BAC" modular kite while talking about it to onlookers on the promenade at Scheveningen. This page, Peter Malinski of Bremen, West Germany, enthusiastically flies several kites: left, his 11m x 8m (about 36ft x 26ft) parafoil, assisted at launch by a team with a four-wheel-drive vehicle serving as anchor; top, one of Peter's striking Wasseige variants; under it, a three-dimensional star kite of 4m (13ft) span with six points spreading in each of three planes.



© 1985 Helmut Prelier

size of the birds. John says he has a train of Eddys and about 55 different kites, for all winds—"even to Force 7," he says. I don't doubt it.

Harm van Veen, author of the Dutch kite book *Vliegers Zelf Maken*, is bustling about the beach, helping friends. For a moment he stops to fly a Tyvek® version of one of his paperfold kites. This kite is stiffened by a pair of fiberglass rods that extend and criss-cross over the face of the kite, held in place by sleeves along the edge of the keel, which parts into two fins in the middle. Difficult to describe, it is very simple in paper—Harm makes one for me on the beach, impromptu.

Another devotee of small kites is E.M.R. (Ron) Schröder of Delft, who loves small fighters—also talking to colleagues. His eyes crinkle with smiles as he recalls working with the handicapped to make and fly kites, and his many ideas for kite games, such as dive-bombing at balloons full of confetti using fighter kites armed with pins. Mel flies fighters

with Ron and attracts the interest of Joël Thēzē of Angers, France. Earlier in the summer at "Angers en Fête" the Association Éphémères Millénaires held exhibitions, workshops and flying days as part of their project to make 1985 the Year of the Kite in Angers.

I am delighted to see many versions of the Peter Lynn Box kite (nicknamed Pelybox by some), but I am most taken with a high-aspect-ratio variant that appears to be several Lynn units very compounded in offset positions. Up close, however, I see that the design uses single pieces of cloth woven over the spars. Difficult to describe, very original, it flies with power in these heavy winds off the gloved hands of the self-assured flier and maker, blond-haired Geert Donker Duyvis, 14 years of age.

I cannot miss the kites from Germany, where BIG is the byword. Wolkenstürmer, the kite store in Hamburg, starts it off with a giant red and blue Hargrave.

Peter Malinski, an artist from Bremen,

flies an 88m<sup>2</sup> (about 947ft<sup>2</sup>) parafoil in a vivid flame pattern. Although there are many parafoils aloft, it stands out as a product of Peter's graphic sense, sharpened by his making of 300 kites during a mere two years. In the beginning, Peter and a friend made bigger and bigger kites—then in August of 1984, his friend fell from a parafoil and died. Peter's approach to kites is different now.

"I want to build *interesting* kites," he says. He has made 210 Yakkos (after Martin Lester's Yakko stack), a 90-Eddy train, six parafoils, a 4m (13ft) three-dimensional star, a 13m (43ft) delta and several Wasseige variants. He has brought many of these to Scheveningen, including a much-anticipated Ohashi Expandable Box kite, hauled in an impressive chest. But we are to be disappointed because, since the kite is made of paper, it cannot be flown in the rainy weather.

I barely have time to observe the team working Peter's parafoil before the launching of a 35m<sup>2</sup> (377ft<sup>2</sup>) multiflare kite



England's Tom and Mary Pratt in mid-aerial-shoot.



London's Roy Akong checks kites on branch lines.

made by Wolfgang Schimmelpfennig of Hamburg. It is sewn in a rainbow of color panels on white and is a powerful puller, ideal for lifting banners. It is just what Skye Morrison has in mind—she has brought her set of ten 7m (20-ft) banners, called The Two Angels, made last year for the opening of the Scottish National Gallery of Modern Art. In Scotland, the banners were suspended by balloons because wind was lacking. Today they fly as intended—horizontally.

There is a real team spirit in the group from Germany, led by their distinguished elder statesman Dr. Jürgen Thieme. The technical-mindedness of the team is demonstrated by Werner Schmidt, bounding around wearing a jumpsuit (the uniform of the hardcore European kiter) and holding up one of his anemometers, one that measures the windspeed in both Beaufort and kilometers-per-hour.

From England are many kitefliers—Tony and Barbara Cartwright with their

Japanese Windmill and Gemini kites, Gill and Jon Bloom with their hexagons, Tom Pratt taking aerial photographs of the wide scene.

And there is Roy Akong, who had stopped at our lunch table earlier to show us his box full of insect kites, all smaller than his hands, of intricately painted glassine-like paper. These kites, however, are decorated fancifully—not realistically—with motifs of other creatures: furry, humanlike, strange, beautifully colored. But in the sky the details drop away and the general effect is—realistic! I never get close to Roy's kites in flight, but perhaps it is better that I see them from a distance, where they appear most lifelike. Roy looks as if he is being pestered by the insects and needs a flyswatter.

Martin Lester flies an assortment of his charming inflatable kites—Canadian goose, American eagle, pink flamingo, shark and space shuttle. Martin is not happy with the heavy winds, but still puts on a good show. Most popular probably is his latest inflatable, the flying man, Albert Ross. Though the name is a groaner of a pun, I praise Martin for evading the legend-heavy, overused moniker Icarus. For part of the day, dizzy Albert sports a round Fokker emblem on his t-shirt, giving him an "official" air.

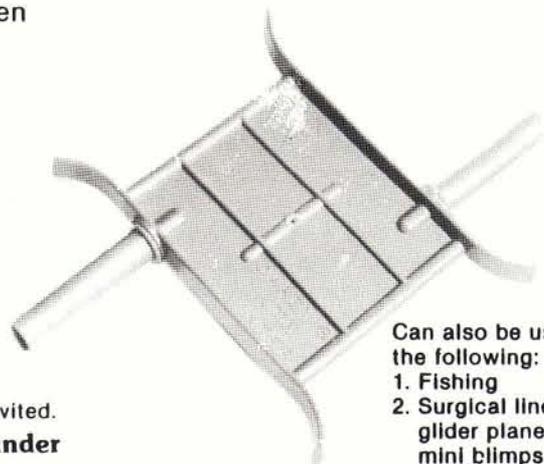
# CAREY'S KITE WINDER

## Makes Kite Flying A Breeze

**HIGH STRENGTH • DURABILITY • PRACTICALLY INDESTRUCTIBLE**

\* The kite winder you have been waiting for!

Buy the recommended test line for your kite.



**AT YOUR NEAREST KITE STORE**

Dealer inquiries invited.

**Carey's Kite Winder**

**7671 North Ave.,**

**Lemon Grove, Ca. 92045**

**(619) 697-8557 • (619) 697-2405**

Can also be used to the following:

1. Fishing
2. Surgical line for glider planes and mini blimps
3. Dual Control Kites
4. Water ski rope
5. Plumb line
6. Extension Cords
7. Other uses also

- CAREY I, designed for smaller kites and light pulling winds. Dayglow red, blue, yellow, orange, pink and green.
- CAREY II, SUPER STRENGTH designed for Snowflakes, Flow Form Parafoils, and Deltas of comparable pull. Line stretch will not crush winder. Available in high visibility yellow.
- Free turning handles usable by right or left handed.
- One turn of handle retrieves 1 ft. of line and can retrieve an average of 500 ft. of loose line off the ground in 60 seconds.

Suddenly it is obvious that we must leave this magic beach—the rains are upon us again. We gather our kites quickly and head for the hotel to dry out. For the evening, the skies turn clear again as we join a feast at the Bali restaurant. Kite companions are enough pleasure, but we do have food—dish upon exotic dish of Indonesian cuisine, which the smiling waiters insist upon calling “first courses.” All are spicy, some are very spicy and a few are *hot*; we are quick to learn which is which.

Later we return to the beach for night flying, where others seem to be more successful than we are in the soft winds. Better to bed, we agree, and we sleep soundly, trusting Gerard's promise of sunshine tomorrow.

Sunday morning it rains.

It rains quite hard. And today is the Cody personlift, the flight of the world's largest kite, etc., etc.! Everyone lingers over breakfast at the Badhotel, but we are simply determined to fly. The rain lessens and we head out into the cold.

Mel is immediately excited by Klaus Brandt of Copenhagen, Denmark. Klaus is flying his inflatable delta of 1.5 m (5ft) span on two lines. The kite is the image of a design Mel has dreamed would make a manageable giant kite—and here is the model of it.

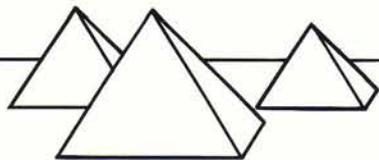


It's up! The Cody personlift, a spectacular fixture at Scheveningen, rises to a brass band's fanfare.

The Cody team is at work setting up the personlifting system. Nick Morse and his friend Jaap Hoogerdijk are chief engineers. Nick's deep research and technical prowess in making Codys has been transferred to Holland's team, but on this occasion he is here to help. His friend Alice Weve of Amsterdam is to be the

person lifted. She is small, suited to the light winds. The lift succeeds to about 20 feet. There is much talk over the loud speaker and applause from the crowd.

For the afternoon, the world's largest kite is “on” and receives similar attention. The kite seems to involve nearly everyone Gerard knows, people in teams running to



**“The wind here in Egypt is very steady and predictable. A real pleasure to fill the blue sky with color and that's exactly what Kites Of The Four Winds has done for me. Thanks.”**

*A. W., The Sinai, Egypt*

“... the materials and workmanship were also of the highest standards. Most of all, I admire you for having the rare quality of standing behind your work.”

*D. H., Chesterfield, Missouri*

“Thanks for sending the kites so fast! They fly great and are a lot of fun.”

*H. D., Cleveland, Ohio*

“I can't tell you how much fun my co-worker and I have had putting together your super kites. They are unbelievably beautiful and have received a lot of 'oohs and aahs.' ”

*M. S., Kingston, New York*

“A splendid perfection of design and superb craftsmanship of detail put your kites into a class unsurpassed by any other maker. Flying on just the slightest breeze, your flawlessly made deltas are a true work of art.”

*N. R., Indianapolis, Indiana*

“It's surely a pleasure to stock your lovely kites in our stores.”

*L. K., Detroit, Michigan*

## **Kites Of The Four Winds**

100 Monument Valley Road, Great Barrington, MA 01230  
(413) 528-4790

and fro handling the three clusters of bridles. The kite starts to rise, then rolls inside out on itself and folds up on the sand. This happens several times. The wind seems not to be right for it today.

This is not the only disappointment for the Dutch. A team brings out two big Japanese-style kites, a rokkaku and Edo, accompanied by women dressed as geishas. The Edo appears to be too flexibly boned for these winds and never flies.

But once more the sun breaks through in the afternoon, and the kites blossom. There are stunters of every sort, but the Peter Powells with their flowing tails are the most appealing to me, partly because they are piloted by Peter Powell himself, wearing his suit and tie as usual. He and the Chinese make friends on the beach and Peter flies a dragon while the Chinese fly Peter's stunters.

Today I have a chance to see the kites of Malcolm Goodman, perhaps England's best-traveled kiter. His hat is loaded with kite buttons and patches from around the world—including a miniature silver *wau bulan* talisman. Malcolm flies an octopus, a Superman stunter and a pair of flying pajamas—"my best St. Michael's cotton poplin, bought off the rack," says Malcolm. The pajamas have not been cut in any way and are made to fly only because the

rigging shapes them: a fiberglass frame extends around the collar, down the sides, into the sleeves and down the spine of the shirt. Two hoops hold the trousers open as dual drogues.

Bevan Brown has made a new, large collapsible-for-travel carousel kite that we are eager to see. He and Margo work to put it together on the sand, sheltered by a blanket windbreak. There are many little guy threads to attach and the prolonged preparations draw expectant crowds. Knowing the wind is strong, but unwilling to disappoint the spectators, Bevan launches the kite—and it collapses immediately.

At 2 o'clock the team of Mama-sans prepares to fly and after several tests and adjustments we succeed. Much more attention is paid to us than we expect. It occurs to me that for this excitement I have sacrificed the opportunity to meet many more people and observe many more kites. I feel the pain of guilt.

Suddenly it is announced that at 16:30 hours we are to meet at the Kurhaus for some sort of official greeting. On the mezzanine of the ornate lobby, a band is playing and kippers and wine are laid out. A representative of Fokker steps to the microphone. He says that Scheveningen is the second largest kite festival in the world and has in attendance representa-



Preparations for flying the world's largest kite.

tives of 13 countries.\* He goes on to say that "Fokker has the intention of making it the largest in the world next year." Applause. But I wonder how they will measure the size: by number of countries? participants? kites? spectators? For now these are not important questions. Representatives of Fokker are handing out to

\*Gerard recalls Belgium, Canada, China, Denmark, England, France, Germany, Italy, Netherlands and USA. There were probably others.

City of York Leisure Services

**YORK FESTIVAL of KITES** · YORK · ENGLAND

SAT · 31 · MAY      SUN · 1 · JUNE      1986

Eiji Ohashi and Takishi Nishibayashi of Japan. *Courtesy of the Borough of Sunderland and Festival of the Air.*

Green's of Burnley: Manlifting kites — the powerful "Stratoscoop 7" Martin Lester Kites: Shark, Albert Ross.

Jorvik Serpent — Viking Warrior head up to 500 metres of tail.

Sponsored by Jorvik Viking Centre and York Archaeological Trust.

**ROKKAKU CHALLENGE GIANT FIGHTER KITE CONTEST**

Kites up to 4 metres tall in battle.

Plus many more displays, contests, together with workshops and an exhibition at York City Art Gallery.

Competitions sponsored by

Franchised assisted by the English Tourist Board

Entries are invited to competitions.

Full details from York Festival of Kites, 2 Dewsbury Terrace, York, England.

All displays/contests presented subject to satisfactory weather conditions.

**MODERN KITE®**

Manufacturer and Exporter  
of all kinds of kites and windsocks

For more information, please contact:

**MODERN TOYS MAKERS CO.**

P.O. Box 35-6 Taipei Taiwan R.O.C.

Tel: (02)9228798, 9234226, 9225584

Telex: 34380 MOTOYS



The Dutch giant (550m<sup>2</sup>/5952ft<sup>2</sup>) in mid-launch attempt. The camera's telephoto lens shows kites and people closer together than they are in reality.

all the participants small Lucite® standing plaques printed with a Scheveningen scene. Special awards are made to Gerard van der Loo, André Cassagnes, the Chinese delegation and—to our surprise—the Mamans! We gather in our regalia and receive a large festival photograph in the custody of our kitemaker, Jon Burkhardt.

It is officially over. But when a group of us join at dinner on the promenade, we see many kites still flying. In the distance

is a particularly lovely long train of small white Eddy kites (or Malays, as they are called in Europe), strung out by the hundreds—perhaps thousands. We strain to see the topmost kites that grow fainter, like an airbrushed painting, as they rise into the clouds and out of sight.

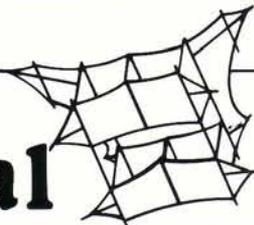
A shadow of sadness passes over my sunny mood. I have seen too much! I have learned too little.

Is this festival a victim of its own suc-

cess, too huge for anyone to fully appreciate it, especially the important human side of it? Or is it my reticent personality and my being limited to speaking English that have caused my sense of frustration?

At the same time, I am aglow to have seen finally with my own eyes so many kites and kitefliers who had been paper legends until now. Delight and discouragement mingle in my memory of the kiteland called Scheveningen. ◇

# international Fokker Kite Festival Scheveningen June 13, 14, 15, 1986



The world's second-largest kite festival is held on the sandy beaches of Holland's finest seaside resort — Scheveningen — next to the Royal Residence, The Hague

June 13. . . . . The International Kite Symposium, a mutual exchange of information among kitefliers from around the world. Lectures in English about new materials, kite systems, construction techniques, flying and weather conditions.

June 14 and 15. . . . . The International Kite Festival with participants from the United States, Japan, France, England, Germany, Belgium, Italy, Denmark and Ireland. Highlights include super kites up to 4500 square feet, cultural kites from Japan, Cody manlifting kites, camera systems, kite trains, stunt kites, mini kites, etc.

Hotel Package Available. . . . . A 3-night hotel package at the Badhotel is available, including attendance at the Kite Symposium and meals.

**Vlieger  
Op**



If you are interested in coming to beautiful Scheveningen for the kite festival, send us the coupon below. We will mail you more details, entry forms and hotel information. For flight schedules, contact your travel agent or KLM Royal Dutch Airlines.

Mail coupon to:

Vlieger Op  
Gerard van der Loo  
Weteringkade 5a  
2515 AK den Haag  
Holland  
Telephone 070-85 85 86

Please send me further information about the  
INTERNATIONAL FOKKER KITE FESTIVAL SCHEVENINGEN 1986

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zipcode \_\_\_\_\_

# A Tale of Two Kite Festivals

## LONG BEACH:

### Easy Pace, Wide Space

By Rick Kinnaird

WHEN I FIRST GOT the brochure announcing the Fourth Annual Washington State International Kite Festival (often referred to as the Long Beach Kite Festival), I saw that they had a week-long schedule of events planned, August 19-25, 1985, with just one contest each day. One day was kid's day, one was handcrafted kite day, one was team day, etc. I thought: my goodness, this will never work—they are stretching the thing out too long. I mean, you have just one event a day—it's going to get real boring.

In reality, what happens is that by having only one event a day, people have time to plan for each one of them. They are not forced to keep up with a frantic schedule. Events start about 11 in the morning and are wrapped up pretty much by 3 in the afternoon, which means all the kites have time to eat breakfast, to come out to the beach at their own pace, to participate or watch the judging and what not—and it makes for a very pleasant day of flying each and every day.

#### Key Word: Uninterrupted

Then there is location. Long Beach has a 26-mile stretch of clean sand that is said to be the longest uninterrupted beach in the world. So there's plenty of room for flying. Those who do not want to enter an event can simply move away, down the beach. The kite team from Singapore did this and always had a crowd around it.



Shakib Gunn of Singapore walks down Long Beach with wau bulan kite in hand.

Peter Lynn of New Zealand, with his inventive creations, and Doug Hagaman of Seattle, with his parafoils, were flying all the time. From that perspective, there was kiteflying going on—lots of kiteflying.

Peter Lynn said, "I prefer to come to this over other contests in America because I get to fly for a whole week. It takes me about 32 hours to get here from New Zealand, what with stop-overs and all that. If I'm going to travel for 32 hours, I want to come to something where I can fly kites for more than just a day or two."

The same thing was true for the people from Singapore. So this festival, spread over a week, has had the effect of making people from long distances want to come to it—it's worth their while—and who would have thought of that?

#### How They Run It

Besides pace and space, there is support. I understand that the Washington State International Kite Festival is the biggest tourist event on the entire calendar of the city. It is sponsored by the Long Beach

*Richard F. Kinnaird, Jr. is a certified kite zany and tireless worker for the cause. He served twice as head of the Maryland Kite Society and five times as chairman of the Maryland Kite Festival. He has a particular interest in the mechanics of kite events. Rick was invited to Long Beach to serve as announcer at the festival and master of ceremonies at the Saturday night banquet.*

Merchants Association. Although most of the work is done by the chairman (Carole Knopski) and coordinator (Kay Buesing), everybody in town is involved in it—the mayor, city council, businesses—the whole population of 3,000 or so is involved. Originally, the festival was run by Harry Osborne, and Harry is there, he participates, but the whole organization has been taken over and embraced by the city. And it is really fun to come to a town where everybody turns out for a festival and is involved in it.

When the organizers started team competitions, they were not quite sure how it was going to work. But they wrote up some rules and they said that anybody could have a kite team. They invited kite clubs to compete in a number of events. Points would be awarded for each event, and the team with the most points would receive a check for its club.

Long Beach is one of the few places in the country that is near several kite clubs: the Associated Oregon Kites, the British Columbia Kitefliers Association, the Washington Kitefliers Association and the new Ben-Franklin Kite Society. The nearest club, AOK, was especially helpful, working with the festival. This year, there was even the California Kite Group, formed at the festival by Leland Toy. They wound up winning the contest, so the burden was on them to organize sufficiently to have a treasury to put their \$150 winner's check into.

Long Beach has some good games. The Touch-Me event asks kitefliers to touch a flag attached to a banner suspended between two large anchor kites. Contestants

#### Also Seen at W.S.I.K.F.

Friday, August 23, 1985 was the international debut of Yolk I, a one-of-a-kind, zany, colorful, fanciful and perhaps even bizarre egg carton kite with pizzazz.

As it was paraded past the many spectators and kitefliers toward the flying area, the crowds began to gather and cameras clicked wildly. Questions and comments came rapid-fire, such as: What is it? and, Wow, look at that thing! and the most-asked question, Does it really fly?

Soon the AOK (Associated Oregon Kites) Kite Hospital crew noticed the commotion and came with a medical stretcher and, with tongue in cheek, they rescued Yolk I from the pressing crowds. Yolk I was then rushed to the announcer's truck and placed on the flatbed where curious onlookers could take more photos and ask more questions.

Yolk I features a wood spar frame

# 5th ANNUAL WASHINGTON STATE INTERNATIONAL KITE FESTIVAL

Long Beach, Washington

For information, write:  
WSIKF, P.O. Box 797, Long Beach, WA 98631  
Phone: (206) 665-5744 or (206) 642-2353

*Prizes for world records!*

August  
18-24,  
1986!

On the  
'World's  
Longest Beach'

Competitions,  
Demonstrations & Displays

cannot entangle the banner or anchor kites in any way—and it is very *easy* to tangle your kite and not touch the flag at all.

The Reel-In/Reel-Out race has the flier put a kite out until a certain time is up, then reel it back in without touching the ground with either the kite or the line

connected with plastic tubing and yellow egg carton halves which act as collectors of air for lift. Other unique features include: a rooster-comb upper keel and nose keel, both of Mylar®; colorful feather trailing edges for lifters; a four-point bridle system; a jingle bell sound system; dual pinwheel wind rotators; a battery-powered auxiliary rear pusher prop; multicolored twinkle light control panel; egg-shaped styrofoam balls for ballast and balance; decorative wood beads; and a real-life rubber chicken kite pilot named Air O. Stotle.

The overall dimensions are: wingspan 43", height 25", length 45" and weight 24 ounces. The wind speed for launching should be about 16.378 miles per hour.

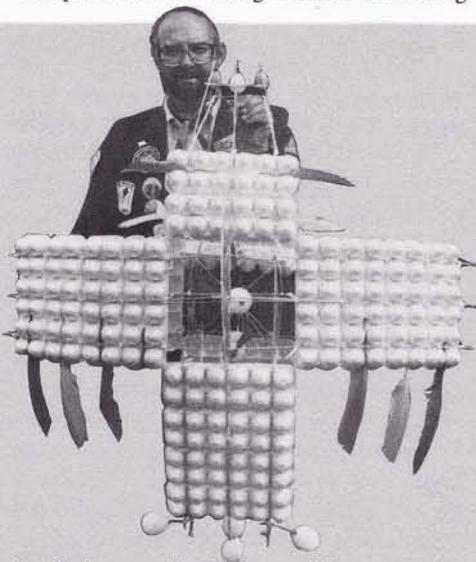
When the questioning was over, Don Lary of the AOK made a very interesting suggestion: Let's invite the special internationally- and locally-known celebrities to actually autograph *Yolk I* to commemorate its auspicious exposure to the

during the whole operation. Most people would put the kite out quickly then drop their reel and pull in the line hand-over-hand. But when not even a loop can touch the ground, it's very difficult.

There were several other interesting competitions at Long Beach, including

the team launch-and-retrieval races and the teddy bear accuracy drop (you had to supply your own teddy and the chute had to deploy). One night they had a contest for kite lighting at which fireworks were launched by the mayor.

The stunt kite flying competition in-

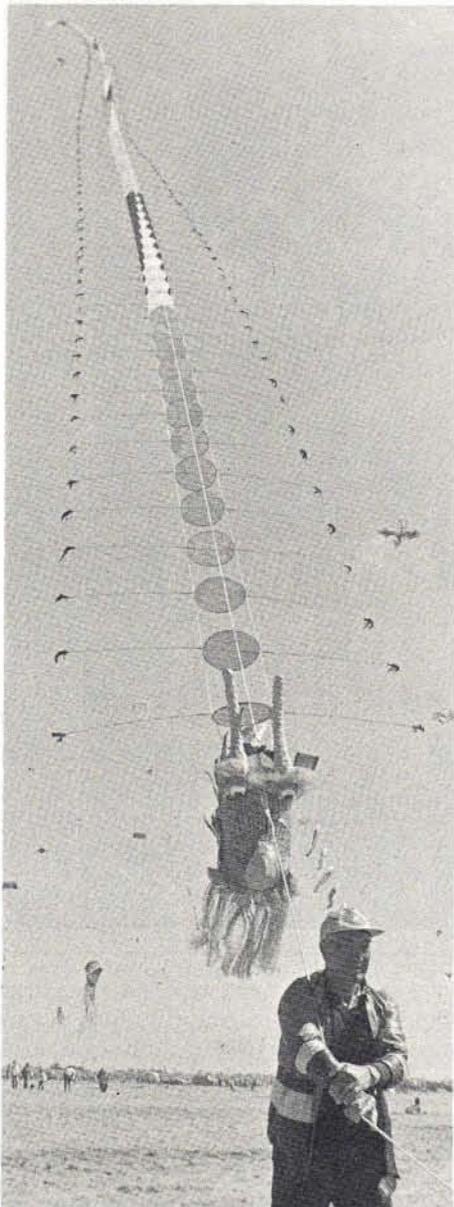


Left and above, Bob Hamilton poses with his one-of-a-kind egg carton kite, *Yolk I*.

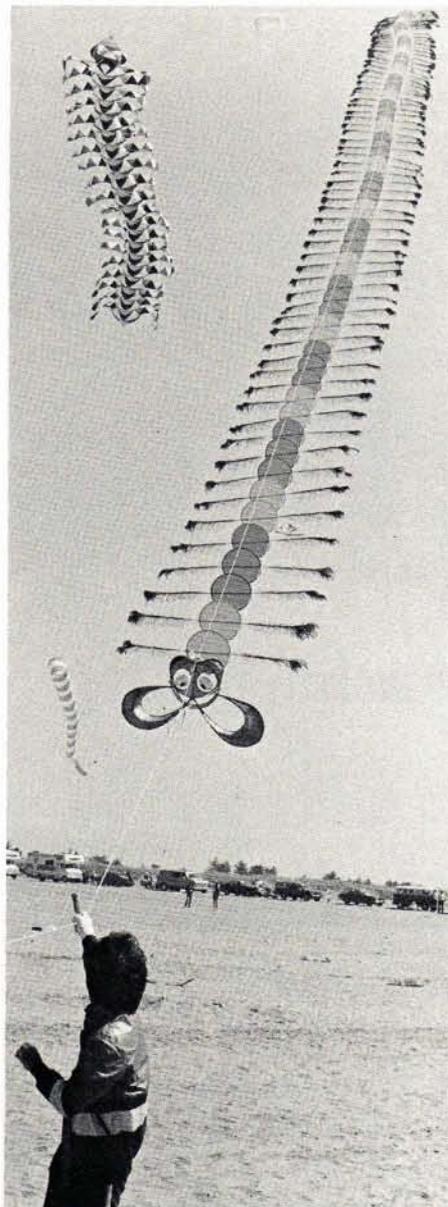
putting their "John Henrys" on *Yolk I*, they guaranteed themselves a very special place in kite history.

Anyone interested in adding his/her autograph to *Yolk I* to be counted among the kite community notables may request an actual egg carton panel for signature by mail. Please direct all questions, comments and correspondence to: Bob Hamilton, 8516 N.W. Old Orchard Drive, Vancouver, WA 98665.

kiteflying world. Such notables as Peter Lynn, Rick Kinnaird, Bob Ingraham, Ray McConnell, Jack Van Gilder, Les Varley, Larry Zilar and two members of the Singapore Kite Team, Michael Seet and Chua Wing Chuan, signed the kite. By



Low Chin Nghee stands with his 330-foot dragon.



Chua Wing Chuan guides his Singapore centipede.

cluded compulsory maneuvers and a two-minute freestyle demonstration in which the Hawaiian Team Kites were standouts. Four fliers performed precise formations with their four kites. At one point, they lined up the kites in a vertical row, like a train. They called this “refueling.” Then they peeled off to left and right in a big cloverleaf maneuver that brought cheers from the crowd. The landing of these kites was unusual; their behavior at the side stall limits, along with their W-format sails, makes it possible to land the kites in a highly controlled standing position.

But it was children’s day that drew the biggest crowd, maybe because the program promised: “every child a guaranteed prize winner.” This came true when the Singapore team gave balloons to all the kids. If that wasn’t enough happiness insurance, there was the Crash Event, “intended to provide prizes to contestants who may not have the best of luck with their kiteflying.

Judges will be looking for contestants who best exemplify the agony of defeat.”

A festival can have all the space and planning in the world but it will still be nothing without kites. Long Beach attracted them in both quality and quantity.

The dragons from Singapore had to be the most outstanding, and there were three of them, one by Low Chin Nghee and two by the Chua brothers. (With Shakib Gunn, Michael Seet and Sharon Wong, they were the Singapore team.)

Low’s dragon contained 145 units, all hand-sewn of bamboo and nylon, and it flew to a length of 100m (about 330 ft). Originally it included 180 disks, but Low brought only 145 to the U.S. Shakib explained Dragon-Maker Low’s chicken feathers mystique: how he used feathers for the right side of the kite only from the right side of the chicken and conversely for the left, how he took feathers only from live chickens, not harming them,

and how he preferred roosters to hens. (The Chua brothers chose peacock feathers instead of chicken feathers and used 2mm fiberglass for the circular frames of the disks instead of bamboo.)

Low had an admirable mechanism for collapsing his kite that I think we will be seeing on more dragons in the future. In addition to the three lines that connect the disks at each side and on top, a fourth line went through a little ring at the top of each disk, except for the last 20 cells at the end of the dragon. Low would bring down the dragon by taking hold of this other line and releasing the regular flying line, so that all the disks moved up this line like climbers—bunching together, then shimmying and coming down, then moving back up again. In strong winds, the disks would bunch up quickly; in light winds they would take more time working their way to the top. When enough disks were gathered together and flapping (without control of angle to assure lift), the dragon would come down, although the 20 cells still flying kept the dragon from falling like a dead weight. It is much easier to bring down a dragon this way than to pull in one disk at a time, and it creates much less strain on the individual disks.

The Singapore team also flew several beautiful *wau bulan* (moon kites), the Malaysian design at least 500 years old. Some were traditional layered paper and some were “modern” ripstop nylon, but all used patterns of leaves, bamboo shoots, clouds and similar natural motifs because it is against the Moslem faith to show human forms. All the *wau bulan* carried “buzzers” (what we usually call hummers) and flew in a slightly unstable horizontal figure-eight pattern.

There were many other magnificent kites, such as Peter Lynn’s (which you will read about elsewhere in this issue).

## The Big Finish

As for quantity of kites, Long Beach had that too. On Sunday, the last day of the festival, although it was basically a free fly day, they decided to try to claim a world record for the most kites in the air at one time. Any single surface was considered a kite: six-pack of stunters = 6 kites; 50-cell dragon = 50 kites. At 1 p.m. there were so many kites in the air that we had to divide the area into quadrants and have two people count kites in each quadrant. I believe the final total was 615. Nobody knows if Guinness will recognize it, but maybe that’s not the important thing. It made a great finale for a week of real kiteflying. ◇

# A Tale of Two Kite Festivals

2

# SAN DIEGO:

## Nice Place, Hectic Pace

By Valerie Govig

**M**Y FOUR MAIN impressions of this year's American Kitefliers Association convention in San Diego, CA in October were: first, that "imported" kites can fill any gaps in the sky left by "domestic" ones; second, that the Mama-sans and Rainbow Warriors are still romping but getting a bit predictable; third, that synchronized stunt flying is firmly established as kiting's most exciting trend (Steve Edeiken, can you hear me?); and fourth, that the AKA as an organization may be beyond redemption.

### Kites from Afar

The festival enjoyed contributions by kites who did not even attend, whose kites stood in for them, filling the skies over the velvety lawn adjacent to the sandy beach along Mission Bay. Skates, skateboards, bikes and boats added to the mellow California ambience.

From New Zealand came the works of Peter Lynn, whose Dragonfly (see *Best of Show*, page 71) was flown by Randy Rouse

of Seattle, WA, who had purchased it from Peter at the Long Beach festival.

Another Lynn entertainment was his long centipede banner, brought to San Diego by Steve Lamb of Oregon, who had traded it for a large stash of braided line. The banner was originally intended to be a kite, but would only work as a line attachment. I expected the intricate rigging on this wormlike banner to turn into a tangled disaster upon launch, but the creature worked its way into a coherent unit as it rose off the ground.

Once up, under a strong-pulling Doug Hagaman parafoil, the *centipede antipedeus* wriggled its legs and scuttled about convincingly. On reflection, I would not call it realistic, but impressionistic, leaving some room for the imagination.

Low Chin Nghee's dragon kite was another pleasure shared via Steve Lamb, who bought it at the Long Beach festival. In San Diego, it dominated the sky whenever it flew. I was drawn to it even when it was laid out on the grass as people were preparing to fly it. They needed an extra

hand to hold it up in the midsection and I became part of the launch crew briefly before it sprang up and moved skyward at a fine angle.

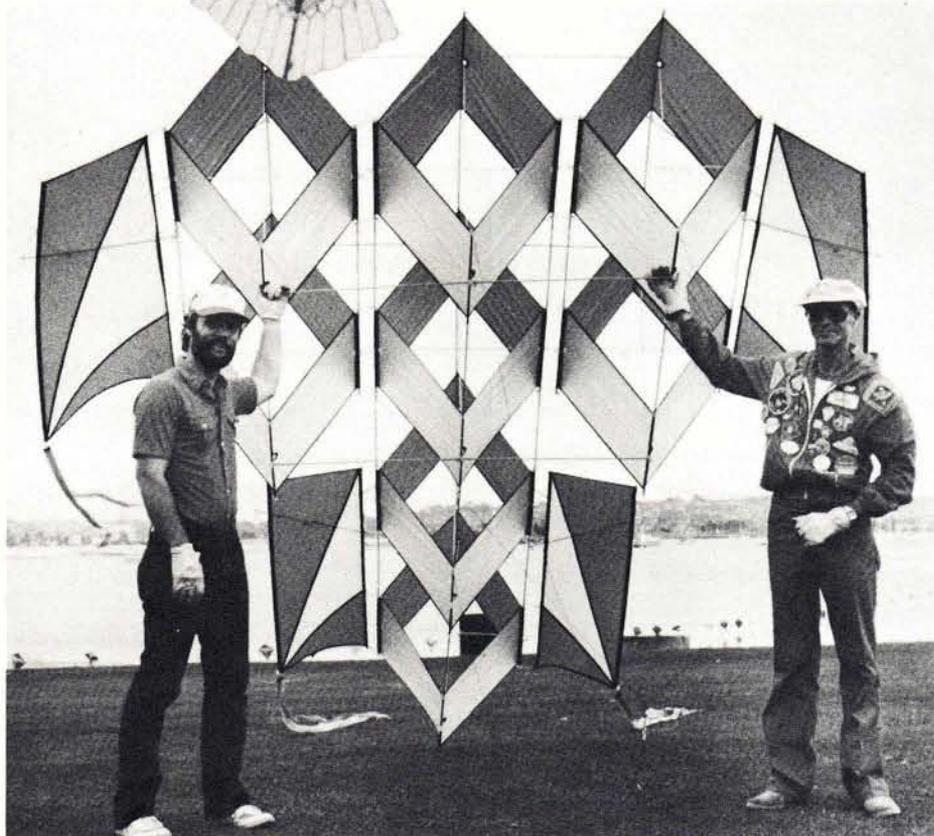
What a breathtaking sight! The structure changed with the winds, flying straight in strong ones, sinuously in light ones. Just now the kite was active and the dragon's head was ferocious, with its rolling eyes and flapping tongue.

But most of Low's magic had been worked on the body of the beast. It was built of perhaps a dozen groupings of a dozen disks each, and each grouping was *hologrammatic*—with a split patterning of bright colors that seemed to move, to vary in effect, because of the three dimensions in which we perceived them. We could stand at the end, then at the side, then at degrees between, and see a different kite at each place and with each movement. A clever mind had used the dragon kite to puzzle us and cause us to say "Aha!"

Steve enjoyed telling me about "Chairman" Low (rhymes with *now*) and his



Contrasts in San Diego: an elegant eagle kite by Takeshi Nishibayashi and the angular Apachee by Bobby Stanfield.



Photos: Leonard M. Conover



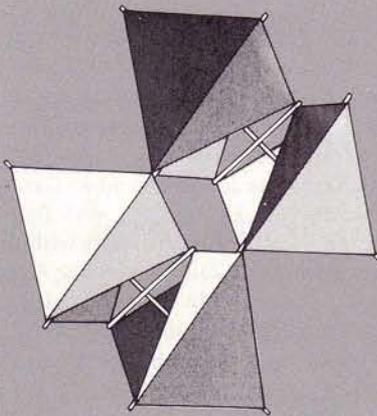
# BOXES ARE BETTER AT



## Double Diamond Box

*Our most popular Kite*

*A Peter Lynn design  
This Kite is an  
excellent performer.*

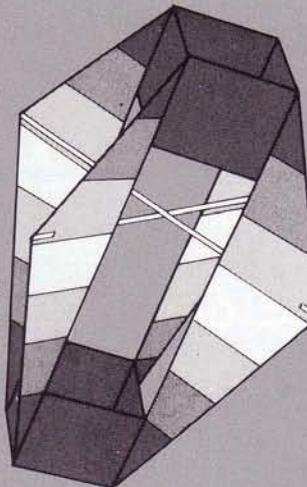


- 33" x 26" x 12"
  - Rainbow Pattern
  - 5-20 mph/30 lb. test flying line
  - Nylon webbing stick pockets
  - Heat-cut edges
- \$19.00

All kites are made with top quality .75 oz. ripstop nylon, wooden dowels and nylon webbing reinforcement. Instructions are included with each kite.

## Winged Box

*This kite is very stable  
in flight.*

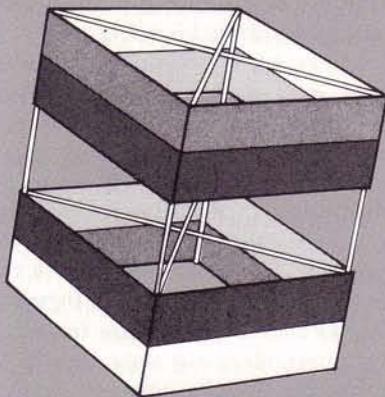


- 48" x 40" x 40"
  - Cell - 10" x 10"
  - 4 Rainbow wings
  - 8-30 mph/40 lb. test flying line
  - Edges hemmed and sewn
  - Pocket tips reinforced with nylon webbing
  - 2 Rainbow Wings/2 solid also available
- \$38.00

## Rainbow Rhombus

*A light wind Kite*

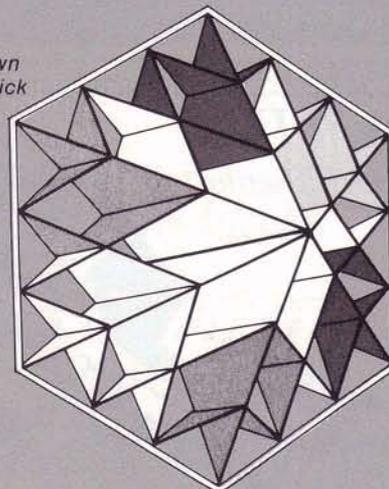
*Our newest and  
largest kite, a Rhomboid  
shape, designed  
By Brooks Leffler.*



- 48" x 48" x 24"
  - Rainbow Color Pattern or 2 Color Alternating Pattern
  - 6-30 mph/100 lb. test flying line
  - Edges hemmed and sewn
  - New, improved cross-stick pockets
- \$42.00

## Snowflake

*A smaller version of a  
very popular Kite.*



- 31" x 28" x 31"
  - Circular Rainbow with white, yellow, or blue
  - 15-35 mph/40 lb. test flying line
  - Plastic tubing corners
  - Heat cut edges
- \$35.00

Available at your favorite kite store  
Call 812-334-4131 Today!  
MC, VISA, CHECK, or C.O.D.

Dealer Inquiries Invited  
704 N. College Avenue  
Bloomington, IN 47401

## A Tale of Two Kite Festivals

... Continued

rotating disks spinning busily on its line.

Mark Hergan of Ocean City, MD drew attention with his imposing multicolor tetrahedral kite. It was hauled into the sky once, but mostly sat on the ground looking sculptural and towering over its maker.

A husky 250-square-foot modified Flow Form was flown by David Nichols of Lafayette, IN. He used it for repeated teddy bear drops using a separate line to lower the bear rather than the riskier fall by free chute. Kids gathered and clapped at each jump.

Doug Hagaman's parafoils worked hard, too, hauling oversize spinsocks from Oregon, the Peter Lynn centipede banner and assorted streamers that swallowed a lot of sky. The parafoils themselves seemed secondary in these circumstances, except to me. Doug knows how to use color in parafoils. A solid red one backed in pink gave off a resonant glow.

Richard Hayde of the new Gateway Kite Club, St. Louis, MO, was flying a handsome double Conyne-delta with three long streamers. "I call it Cherokee Angel," he said, "but I didn't make it. It's just two Marshall M-41s, joined together. I use a 285-foot streamer in the middle and two 110-foot streamers on the sides, but I can remove them, depending on the wind."

It was good to see John Jordan again from Houston, TX, flying a foam lunch box kite and wearing his sunny smile.

Greetings are an important reason to be here, even if they are brief. "Hello there, Bill Lockhart! Good to meet you, Bruce Mitton! How's your hand, Reza? Hi there friend, Charlie Sotich! How's the baby, Suzanne? Hello, Margaret Greger—see you later!" (I never saw her later.)

Somehow I managed to get in a few words with AKA Founder Bob Ingraham and his wife Hazel. They were toasted at every opportunity, not only because of their historic contribution but because they were only a few days away from their 50th wedding anniversary.

The frustration of having little time to talk was keen.

## Battle of Sexes Continued

This year the rokkaku kite battle between the Mama-sans and the Rainbow Warriors was an announced event, as if it were authorized. This robbed it of a certain illicit charm. Both sides were very ready, the men in their new red and white *bachi-maki* headbands and mirror-wrap shades, the women in their mauve *bachi-maki* and lilac sunglasses. New Mama-sans Gloria



The Original

# Windseeker™

HIGH PERFORMANCE FLYING WING

Capture the Essence of Flight  
With a New Breed of Flying Toy.

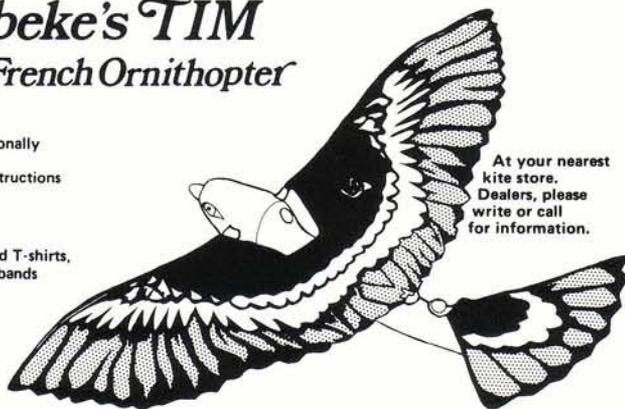
WINDSEEKER, INC.  
SUGAR HILL  
FALLS VILLAGE, CT 06031  
(203) 824-0656

DEALER INQUIRIES INVITED

## de Ruymbeke's TIM the original French Ornithopter

- Best wholesale prices nationally
- Packaged with English instructions
- Same day shipment
- Also available — flying bird T-shirts, posters, and extra rubber bands

COVENTRY SALES  
111 Third Ave., Suite 9C  
New York, NY 10003  
info.: 212/254-9858  
shipping: 216/371-9701



Lugo, Susan Mayer, Sue Nelson and Judy Sullivan were hyped up and eager to take part. A crowd gathered as we marched out to make long-line launches in the light winds. Both teams hauled and ran, backing into the pink barrier tape surrounding the competition area.

Second launches were necessary. This time our Mama-sans kite came down and nearly touched the ground. I caught it just in time, then Mary Ochse and Stephanie Brown came running to the rescue. We were still alive and flying! At some point, Mary tripped Dale Fleener, who was in the lead spot on the men's line, but he recovered. In the confusion, the two kites tangled and at the moment of impact the men's kite separated from its graphlex spine. The women were able to quickly reassemble their own kite while the men's kite remained in pieces. Victory photographs were taken showing this discrepancy, although both teams declared victory as usual, thus retaining the "continuing indefinite status of the kite challenge of the sexes."

### Teams of Stunters

Aware as I was of the advances underway in synchronized stunt flying, I was unprepared for the effect of seeing six teams perform in succession, half of them to music. Any one of these teams by itself would be a treat. But six in a row!—it was like hot fudge on chocolate chip ice cream with jimmies on top, a brownie on the side and a chocolate shake chaser.

And all of them were good.

The first two teams, led by Randy Tom and Romeo Collado respectively, flew stacks of Hyperkites to music. The Collado routine included close touching and a line crossing segment that seemed very risky but survived in style. Next were Mix McGraw and the Bay Area Sundowners doing a smooth dance with pink and red Rainbow stunt kites. They suffered a tangle and drop, but were recovered with speed, returned to flight and landed at the end of a breathtaking low pass. Following the Rainbows were two black 10-foot Flexifoils, decorated with skulls and lightning, doing a "dance of death," including controlled intermaneuvers close to the ground. This team could have increased its dramatic effect by adding music. The Hawaiian Team Kites were next, also lacking music, but by virtue of their finesse took first place in the competition. (See page 54 for a description of this team's flamboyant style.) Flying last with two sets of three kites each was the Avenger team, which attempted to join the two sets *in the air*, a spectacular idea (dreamed of by Steve Edeiken) that in

# Sky Scrapers



*Sky Scrapers Kites  
Highland Post Office  
P.O. Box 11149  
Denver, CO 80211-0149  
Phone 303-433-9518  
or 303-433-7518*

*Dealer inquiries welcome.*

© 1985

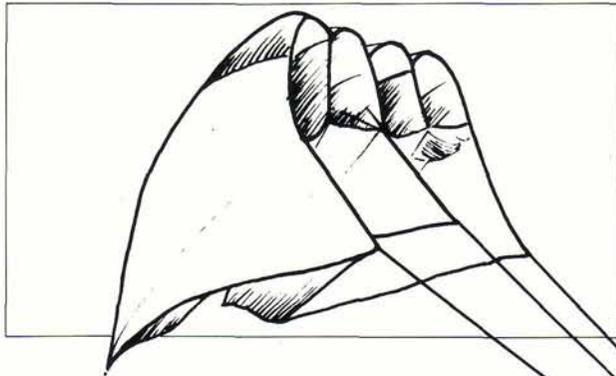
## The Sun Loom Studio windsocks



**great  
gifts!**

*Write for free brochure*

Kate Hollander • P.O. Box 7606 • Albuquerque, N.M. 87194 • (505) 243-2689



### Sutton Flow Form Parafoil

flies effortlessly in a wider range of wind than other parafoils. Over 10 carefully coordinated color combinations available now in 5 sizes:

- #4 — 4 sq.ft., new low-priced popular model for kids and adults
- #8 — 8 sq.ft., new reduced price
- #16 — 16 sq.ft., exhilarating to fly
- #60 — 60 sq.ft., "awesome," for the serious kiteflier
- #252 — 252 sq.ft., "incredible" giant," in a class by itself

Made of 3/4oz. spinnaker ripstop nylon.  
 Quality workmanship, made in the U.S.A.  
 For more information, contact **Air Affairs, Inc.**,  
 607 Horsham Rd., Horsham, PA 19044,  
 215/443-9173

## Tired Of Being Bullied By Your Stunt Kites?



\$19.95 per pair  
 Add \$2.00  
 For Shipping

**NEW & IMPROVED!**

# GOOD GRIPS

### STURDY

- 2" Tubular Nylon Webbing
- Harness-Machine Sewn
- 2000 LB Test Stainless Steel D-Ring

### COMFORTABLE

- Foam Filled
- Built-in Handles Allow In-flight Relaxing Of Either Fingers Or Wrists

### TESTED

- Thoroughly Tested With Small And Large Stunt Kite Trains
- Used Extensively For Flexifoil Train Jumping



To Place Your Order - Call  
 1-919-441-4124  
 P.O. Box 340, Nags Head, NC 27959  
 Dealer Inquiries Invited

## A Tale of Two Kite Festivals

... Continued

time may become kiting's four-minute mile, impossible for years, then achieved by several. The team made the link-up for a minute—but then one set crumpled and the routine was over. The stunt teams had put a smashing finish on a fine day.

### EDITORIAL: The Meeting

"The meeting was an absolute shambles," said Ted Manekin, the AKA's parliamentarian. Few who were there would disagree.

But if the AKA is incapable of running an enjoyable meeting, they might at least provide the attendees with the rudiments of order and courtesy, such as:

- An agenda (written or oral).
- A financial report (at least an operating statement and a balance sheet).
- A report from the management company ("Executive Director"), even if the companies were changed in midstream.
- A report, however brief, from each of the AKA's committees (and a current list of committees, dead or alive).
- Information from the "statistically invalid" survey of 50 hand-picked members, since it was used for decision-making by the executive committee.

● Copies of the new management company contract, since this document was central to a controversial surprise item brought up at the meeting.

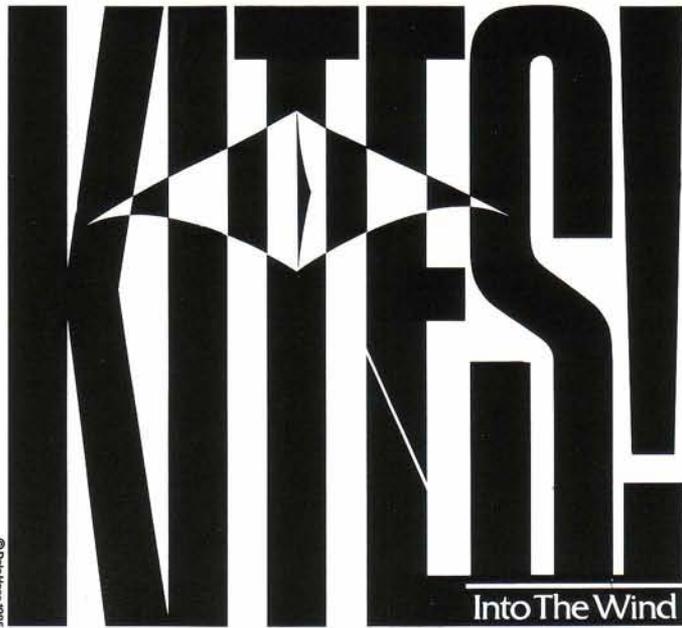
Besides simple procedural improvements at the meeting, the convention needs the following:

- Announcement of the site of next year's convention at this year's.
- Basic security measures at the trade show (posted hours, locked doors) to prevent the shocking levels of theft that occurred in San Diego.

About 300 people plan all year to go to these conventions. They expect while there to learn more about their association and perhaps become more involved in it—to become "insiders." Instead they are frustrated at the meeting and then kept in the dark by the association's publications.

We have much more to say, but it is such a litany of grief that we do not want to fill the pages of *Kite Lines* with it. For those who do want an account of what happened at the San Diego convention, we have prepared a report, including background on the central conflict that burdens the association.

The report will be sent free of charge to anyone upon request. A postcard or phone call to *Kite Lines* will bring you a copy. Write to us at 7106 Campfield Road, Baltimore, MD 21207-4699, USA, or call 301-484-6287.



# KITES!

Into The Wind

© Dan Hess 1985

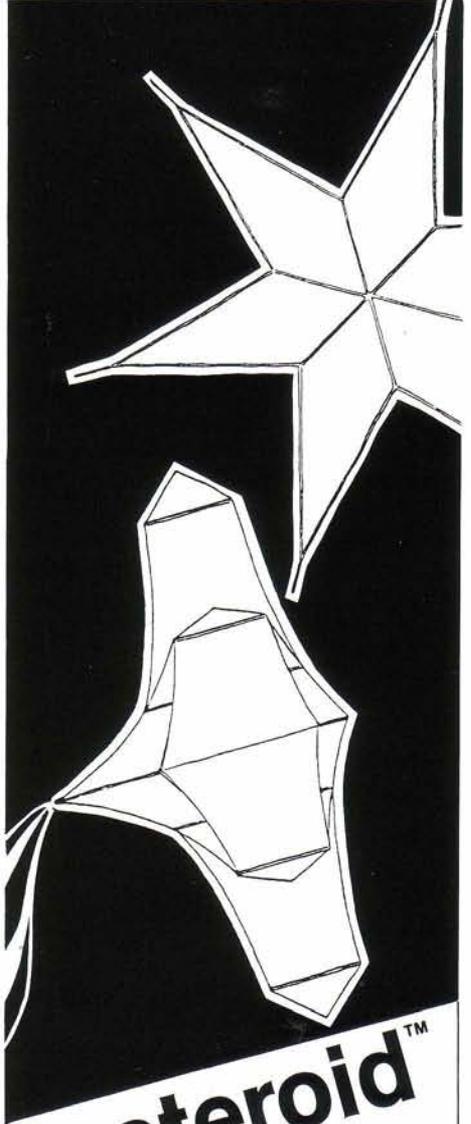
**KITES! T-SHIRT** Show your colors with our KITES! T-shirt. These 100% cotton shirts have the above design silkscreened in 4 bright colors. Choose a silver gray or spinnaker blue shirt in small, medium, large, or extra-large. An Into The Wind exclusive, they're \$10 apiece or \$18 for two, postpaid.



Into The Wind  
1986 Kite Catalog

**KITE CATALOG** We're Into The Wind, the mail-order kite source. Send for our free 32-page color Catalog of the finest in kites and accessories. (Retail sales only.)

Into The Wind  
2047-G Broadway, Boulder, CO 80302



## asteroid™

facet  
fascination  
\$65.00

Another faceted gem from the creators of Starflake here comes **asteroid™**. A high-angle flyer that floats easily in a wide range of windspeeds. With a flick of the string, it will perform dramatic tumbling aerobatics and show off its fascinating facets.

**FUN TO FLY!**  
(206)633-4780 to order

Suspended Elevations  
1915 N. 34th  
Seattle, WA 98103

### DYNA-KITE *controline stunter*



- FLEX-WING DESIGN OF LIGHTWEIGHT RIPSTOP NYLON.
- TOUGH MOLDED PLASTIC NOSEPIECE-IT'S GUARANTEED!
- DESIGNED TO OPERATE IN LIGHTER WINDS.
- MERELY SNAP ON ADDITIONAL KITES FOR TANDEM FLIGHT.
- LOOP, DIVE, FIGURE EIGHT, HOVER, TOUCH AND GO.
- QUALITY BRAIDED DACRON FLYING LINES WITH HANDLES INCLUDED.
- MADE IN THE U.S.A.

**DYNA-KITE corp.**  
P.O. Box 402 • Chicopee, MA 01021 • (413) 592-3615

— INFORMATION INCLUDING FLIGHT INSTRUCTIONS ON REQUEST —

# For the Record

This department is devoted to reports of record-setting achievements with kites. News will appear from time to time, as it arrives, in Kite Lines. Publication of a report is not to be construed as official recognition by Kite Lines or any other party of any attempt at a record.

## FOLLOW-UP: Guinness Dialogue

The 1986 *Guinness Book of Records* arrived at the *Kite Lines* office near the end of 1985. The original edition, printed in England, has color pictures on nearly every one of its 320 big pages and is far more attractive than the U.S. edition, which seems to come out a bit later.

For 1986, the Guinness kite categories remain the same: Largest, Greatest Number (flown on one line), Altitude and Duration. However, *Longest Kite* is now listed within the Largest category, which we think is confusing, if not erroneous. We would be much happier if Guinness would simply increase the number of kite

categories from four to five.

As for the records themselves, they have changed as follows:

- Largest Kite no longer belongs to the Washington state 1983 attempt and has been restored to the 550m<sup>2</sup> (5,952ft<sup>2</sup>) Dutch kite flown repeatedly since 1981.

- Greatest Number of kites flown on one line has *increased* notably and unexpectedly, from 4,128 in 1978 to 5,581, on November 8, 1983. Both records were set by Kazuhiko Asaba at Kamakura, Japan. We at *Kite Lines* have no independent verification of this record apart from its appearance in *Guinness*.

- Altitude achieved by kite train stands at 31,955 feet (9,740m), set in 1919. But the single-kite altitude record has switched back from Steven Flack's dubious New York state effort of 1978 to the Kunz attempt in Wyoming in 1967, a claim that relied on triangulation, a method *Kite Lines* considers inadequate.

- Duration of flight (outdoors) remains at 180 hours 17 minutes by the Edmonds Community College team, led by Harry Osborne, in Long Beach, WA in 1982.

Two keen-eyed readers have written to remind us that the kiteflying Duration record (indoors) was exceeded on February 7 and 8, 1981, by the team of Carl Brewer, Tom Sisson and Bob McCort, flying an airplane-type glider kite made by Brewer. The flight took place in the Kingdome, Seattle, WA, and lasted 39 hours and 53 minutes.

## FOLLOW-UP: Flexifoil Traction

Charles A. Sotich of Chicago, IL, writes:

"Flying eight Flexifoils in the manner David Town describes (*Kite Lines* Summer-Fall 1985) seems to me to be a potentially dangerous way of flying kites. He describes how he had to maneuver over a four-foot-high jetty. It is not difficult to imagine a less skillful kiteflier trying some similar stunt and ending up in the hospital. No mention is made of a quick-release mechanism in case of emergency. Did he have one? I have seen a kiteflier in Chicago being pulled by *two* Flexifoils across wet grass on his stomach. Publicizing this stunt as a possible record category seems to be encouraging reckless behavior."

John Waters telephoned from Oregon about the same article, saying that he and his friends "for years" have been using

sky divers' chutes on the Oregon beaches to "sand ski" for distances of ten miles and more.

*Kite Lines* replies:

David Town's Flexifoil trip of 2.7 miles up the New Jersey coast would certainly be dangerous for anyone to try without Dave's skills and practice. We thought this was obvious, but perhaps it was obscured by the enthusiasm of Dave's writing. For the record, *Kite Lines* does not recommend that people hook themselves up to kites to take rides. Further, a quick-release mechanism should be used in any situation where the kite's pull can overpower the flier.

As for the longer journeys taken by John Waters and others, we are not in the least surprised that they happened. We had the feeling, right from the start, that Dave was not the only one to have done this sort of thing—but he was the first to get it in writing to us. John and others are advised not to expect their accomplishments to be known unless they document them and send the information in to us for publication. We are only too happy to print news of kite records—sometimes even the unsuccessful ones, which can be as interesting as (and sometimes more instructive than) the victories.

## FOLLOW-UP: Longest Kite

A letter from Herman van den Broek adds some observations about the Longest Kite record he and Jan Pieter Kuil set with their Thai-style cobra kite in the Netherlands August 11, 1984 (*Kite Lines*, Spring 1985):

"As you mention, and we share your opinion, it is a question mark what is the lifting power and what is the tail. We noticed during several trials that with such a large area and weight (770m<sup>2</sup> and 52.8kg [or] 8,288ft<sup>2</sup> and 116 lbs) you need the lifting power of the tail.

The tail of our Thai snake opened completely to a length of over 600m (about 1,970ft). After that it started turning and the rest worked as ballast. Because of this ballast, we had to stop. We intended to reach 1,000m (3,218ft).

We are of the opinion that it is not too difficult to improve this length record with a more narrow kite. In the meantime, we reached 2.5 kilometers (1.5 miles) with a tail of computer ribbon." ◇

# YOMEGA

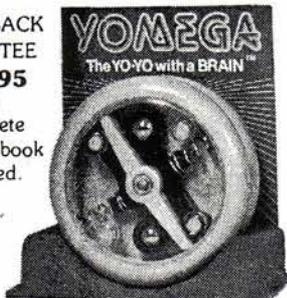
The YO-YO with a BRAIN

Perform tricks like a champion! YOMEGA'S "Brain" lets you "walk the dog" & "rock the baby" & then returns YOMEGA to your hand automatically!

MONEY BACK GUARANTEE

\$12<sup>95</sup>

Complete instruction book included.



• Voted most popular invention in 1985\* • As seen on T.V.  
\* Boston Museum of Science

TOLL FREE PHONE ORDERS

Continental U.S. 1-800-824-7888 Operator #638  
Alaska & Hawaii 1-800-824-7919

**Caffrey Inc.**

100 Gifford Ave., Somerset, MA 02726

Send \_\_\_\_\_ YOMEGA YO-YOs  
at \$12.95 ea.

Postage & Handling \$2.00 Enclosed \_\_\_\_\_

MasterCard

Visa

Acct. # \_\_\_\_\_ Exp. date \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

# FIRST UP — LAST DOWN GUARANTEE

Our **Kites of the Four Winds Feather Deltas** are super flying kites. The design ratios, materials used, and care in sewing and assembly make them unique. You can fly in the lightest air — while others are still running their hearts out. And your **Feather** will still be up when all others are down. We are so confident that they will outfly other kites that we offer you the following guarantee:

"If your **Kites of the Four Winds Feather Delta** is beat out in the First Up — Last Down Contest with any other kite than another of our **Feathers** — Send us the kite and attach the sales slip from the store where you bought it indicating what you paid for it. Then mail these to me. I will then send you what you paid for it, and you will only be out the cost of the postage for mailing it back to us — and you will have had more fun than that flying it." - Nick VanSant

Who would be so bold?

**KITES  
OF THE  
FOUR  
WINDS**

100 Monument Valley Road • Great Barrington, MA 01230 • (413) 528-4790

come fly a kite by the sea

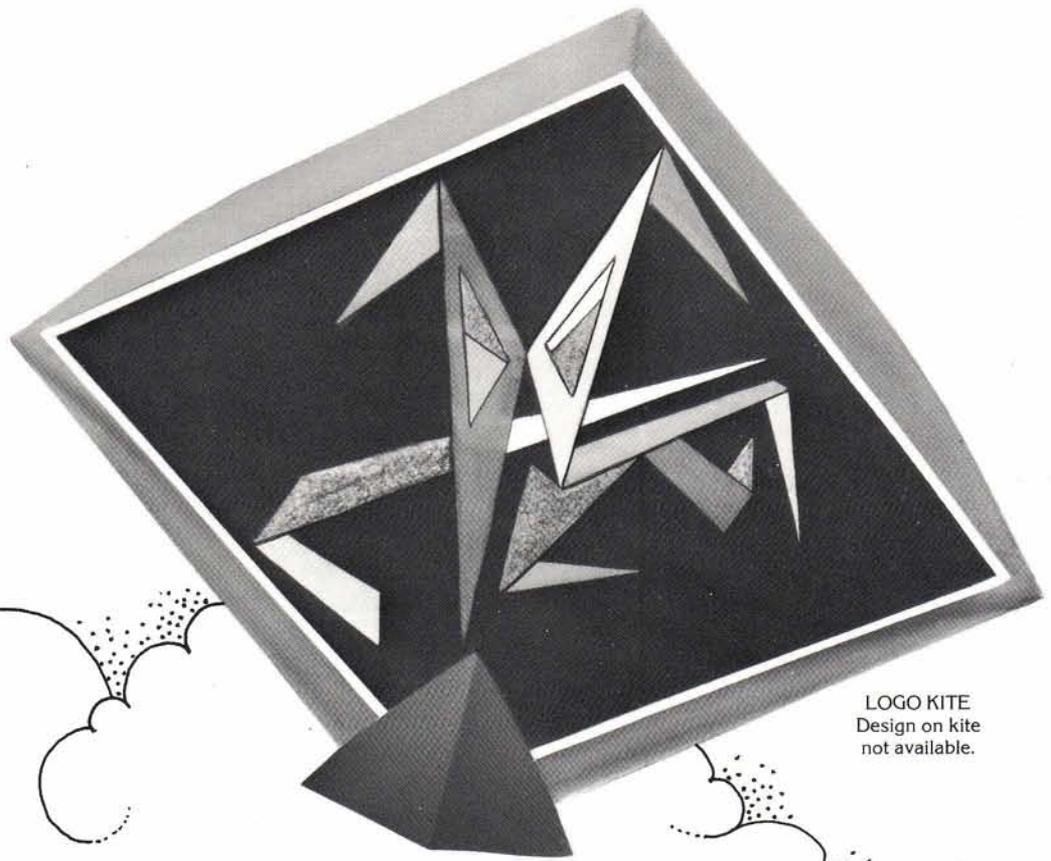


at the 17th annual  
**GREAT DELAWARE KITE FESTIVAL**  
in the beautiful, 3,000-acre Cape Henlopen State Park  
next to the historic seaport of Lewes, Delaware  
on Good Friday, March 28  
from 10 a.m. to 3 p.m.  
registration 10 a.m. to noon  
judging noon to 3 p.m.  
for ribbons and prizes in novice and advanced classes  
food and drinks available on the grounds  
sponsored by LEWES CHAMBER OF COMMERCE and THE KITE SHOP  
for information on Lewes, write:  
Lewes Chamber of Commerce  
P.O. Box 1  
Lewes, Delaware 19958

**DELAWARE**  
SMALL WONDER

**LEWES**  
CHAMBER OF COMMERCE





LOGO KITE  
Design on kite  
not available.

# DEALER INQUIRIES INVITED.

Now Grandmaster Kites can be sold in your store. Our production is expanded — but our quality is higher than before! Each Grandmaster Kite is still the beautiful, handcrafted, handpainted work of art that's been admired from the start. And of course, this exciting kite is made, above all, to fly with the utmost control, power and sensitivity as a single-line maneuverable and fighting kite. Fine-tuned from superior materials — bow of fiberglass, spine of bamboo, skin of Mylar™ — more nearly indestructible than ever! Be sure to see the full color Grandmaster Kite ad (on page 5).



Write or call Grandmaster today!

**GRANDMASTER™ KITES**  
P.O. Box 12377 Holladay Park Station  
Portland, Oregon 97212 (Telephone: 503-255-1785)

# ARE YOU MISSING SOMETHING?



Back issues of KITE LINES offer a wealth of information and ideas. Readers tell us they regard KITE LINES as more an educational reference source than a magazine because of the timeless and hard-to-find nature of its contents. And because new information keeps popping up in kiting, we don't expect to repeat ourselves editorially.

Of our 20 back issues, only 8 are still available in original paper copies, but the other 12 are obtainable in microfilm—so the serious kiter need never miss

an issue entirely. The microfiche may be read in almost any library and paper copies made by using certain copiers.

If your nearest kite store can't supply you, order your back issues from us (see order form on the next page). . . or try the KITE LINES BACK ISSUE MATCH-UP SERVICE (below).

A partial list of the contents of all our back issues is given here for your reference convenience.

**BACK ISSUES IN PAPER, \$3.00**  
**BACK ISSUES IN MICROFILM, \$2.50**

## SPRING 1977 (Vol. 1 No. 1):

Outrigger Kite Plans; Brummitt's Kite Categories; Exhibits: New York, Paris; Profile: Paul Garber; Two Marconi Kite Plans; Glue Gun Use; Festivals of Japan—Streeter; Magazine's History—Ingraham; Tail Talk; Bag Kite.

## SUMMER 1977 (Vol. 1 No. 2):

Which Is the Perfect Kite?; Person-Lifting Kites; Trains: Proposed Standards for World Records; Profile: Mike Weletyk; Van Gilder's Train; Van Sant's Trampoline; Greger's Dutch Kite; Controllables.

## FALL 1977 (Vol. 1 No. 3):

Gull Delta Plans; Tail Selection; Profile: Ansel Toney; Guatemalan Kites; Kite Fishing in Oregon & Micronesia; Reels Analyzed; Seattle Exhibit; Greger's Vietnamese Kite; Sycamore Fire; C.P.S.C. vs. Aluminized Mylar.

## WINTER 1977-78 (Vol. 1 No. 4):

Medieval Dragon—Hart; Thorburn Stacked Delta; Tetrahedral Symposium: Tetra Plans & Tips, Comparison Table; England's Jubilee Year; Shipping Kites—Ingraham; Sleds: Hundreds of Kids, Hundreds of Smiles.

## SPRING-SUMMER 1978 (Vol. 2 No. 1):

Rogallo Corner Kite; Lincoln Chang's Rokkaku; Profile: J. C. Young; Flexifoils; Kite Festivals; Spendlove's Taxonomy of Kites Poster; Le Cerf-Volant Club de France; Braswell's Figure Kiting; Safety Issues.

## SPRING 1979 (Vol. 2 No. 2):

Reels Roundup; Van Gilder's Reel Design; Tokyo and Smithsonian Kite Exhibits; Streeter in Paris; Kites in the Wilderness; Nirvana in Nags Head; Braswell's Two-String Delta; Stephan Bernstein's Chinese Bird.

## SUMMER 1979 (Vol. 2 No. 3):

Flow Form Kite Plans; Marshall's New Nylon Cutting Technique; AKA First Meeting and Grand National Kite Festival in Ocean City, Maryland; Brummitt—The Sky Is Big Enough for All of Us; Altitude Record.

## FALL 1979 (Vol. 2 No. 4):

Sri Lanka Craftsmanship; Symposium on Monumentality in Kites; Giants of Japan and the Bedsheet O'dako—Januzzi; Profile: Louise Crowley; Kite Fishing from a Lighthouse—Trableck; Kurl's Super Conyne Plans.

## WINTER 1979-80 (Vol. 3 No. 1):

Rotors Reviewed; Grauel's Shooting Arrow and Bull's Eye Target Kites; Ham's Parafoils; Allison's Death; Robinson's Facet Kite; Streeter on the Flexifoil; The Miracle of Saganahara—Pachler; Kill Devil Hills; Manassas.

## SPRING-SUMMER 1980 (Vol. 3 No. 2):

Searching for the Real Will Yolen; David-Goliath Kite Story; Tetrahedral Variations—Bevan Brown; Kite Aerial Photography: Who's Done It and How; Shirone's Largest Kite; How to Bridle a Japanese Giant—Van Gilder.

## FALL 1980 (Vol. 3 No. 3):

Scheveningen Festival; Kites as Art—Streeter; World Records in Kiting; E.C.C.'s Largest Kite; Expo of Asymmetrical Kites; Kuroda's Convertible Cubics; Spendlove's 140 Box; Piney Mountain's Hornbeam Sled Kite.

## WINTER-SPRING 1981 (Vol. 3 No. 4):

Dieppe Festival—Fissier; Sled History—Scott; Reels Updated; Falcon Kite; What is DELTA?; Kiting in Bangkok—Carn; Kite vs Model Airplane; Club Directory; Campfire—Gilbey; Indoor Duration Record.

## SUMMER-FALL 1981 (Vol. 4 No. 1):

Cerf-Volant Aerial Photo Winners; Mastering Nylon—Tyrell; Marshalls; Father & Son; Big Compass Plans; M.K.S. Kite Retreat; Profile: Francis Vilbe; John White's HARDEC; Kite-Helicopter Conflict; New Records.

## FIRST QUARTER 1982 (Vol. 4 No. 2):

Best of Show—Verschoor; Sky Art Conference; Fighter Kites—How to Pick and Wield Your Weapon; India's Ultran; Scheveningen Album; Venice Pier and Singapore Festival; Grauel's Flapper; New Pelham Book.

## WINTER-SPRING 1983 (Vol. 4 No. 3):

AKA Detroit Convention Panorama Picture; Blackheath; Coup de Vent; Maebashi Festivals; Rokkaku Challenge; Harpers Ferry Delta; Kites of Trinidad—Johnson; Adrian Conn Profile; Peter Lynn Box; New Reels.

## SUMMER-FALL 1983 (Vol. 4 No. 4):

The Eye of Tyrus Wong; South African Kite Fishing—Turton; Space Shuttle Cut-Out Kite—Hux; Small Kites—Bigge; Singapore '83—Gunn; Deaths of Steve Edeikon, Fan Shak Yam and David Turner.

## SPRING 1984 (Vol. 5 No. 1):

Shirone's Giant Kite Battle; Alick Pearson Roller and Round Pond Fliers; Washington State Kite Retreat—Raddon; Cartoons by George Peters; Kite Nomenclature; Your Line—It Flies, Tool; Profile—Henri Huttges.

## SUMMER-FALL 1984 (Vol. 5 No. 2):

Ohashi's Trains and Expandable Boxes; Singapore '84; International Exposition of Small Kites (full size plans); Directory of Kite Clubs; World Records: 140 Stunters, 728 Pounds Lifted; Caldwell's Counter-Rotating Box.

## SPRING 1985 (Vol. 5 No. 3):

The Great Kites of Bali; Mama-sans! (world's first women's kite team); Tucson Museum of Art Exhibit; Original Conyne Found; Hotcakes Kite; Nomenclature for Stunters; Will Yolen; Wyatt Brummitt; World Records.

## SUMMER-FALL 1985 (Vol. 5 No. 4):

The Italian Kite Renaissance; Cervia Bellissima!; The Hössle Himmelbett; Mama-sans in Europe; Guinness Kite Records Dialogue; The Alex Dunton Light-wind Delta-Box; Splitting Bamboo—Eng; Kite and Book Reviews.

### KITE LINES BACK ISSUE MATCH-UP SERVICE

We've found such demand for KITE LINES that a number of our back issues are sold out. Many people are extremely interested in obtaining these sold-out issues. If any readers have any copies they are willing to part with, PLEASE let us know. Specify the issues you have. Then we can put people who want them in touch with you.

### KITE TALES BACK ISSUES (ORIGINAL PAPER COPIES)

Through a special agreement with Robert M. Ingraham, we have acquired the publisher's last stock of KITE TALES (predecessor to KITE LINES). Issues are: Vol. 9, No. 1 (First Quarter 1975) and Vol. 10, No. 3 (Nov. 1976). These are the only paper copies left, and supply is limited (order form next page). . . \$3.00 each, postpaid

## REPRINTS of popular articles from Kite Lines!

### New American Tradition: KITE FESTIVALS!



By Valerie Govig. Thorough guidance in festival organizing, standards, scheduling, locating, budgeting, competitive vs noncompetitive formats, judging, field events, awards. Includes "Figure Kiting" by Red Braswell, \$3ppd.

### mastering nylon



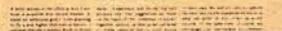
By G. William Tyrrell, Jr. Fabric types, tools, "hot/cold" cutting, coloring methods, seams, hems, edge binding, reinforcing, multi-color piecing, design transferring, washing/ironing nylon; with a complete source list...\$1.75 ppd.

### Hundreds of Sleds Hundreds of Smiles



By Shirley B. Osborne and Mel Govig. Groups of 500 kids are no problem if you use this success formula. How to prepare for and make sled kites indoors or out; plus tips on how to get the most educational value from it, \$1ppd.

### WORLD RECORDS IN KITING: QUESTIONS ANSWERS & CHALLENGES



By Valerie Govig. Complete discussion of kite records—how to document one, definitions and rules to observe in seeking a record, list of currently recognized records, new record categories, (more than in Guinness)...\$1ppd.

## SUPER CONVENIENT ALL-IN-ONE ORDER FORM

(for everything except books) (Please Print)

### ITEMS:

Quan.	Description (for back issues and reprints specify which ones)	Price per item	Price
		\$	\$
Subtotal for items			
MD residents add 5% state tax (foreign orders add estimated shipping)			

### SUBSCRIPTIONS:

Please enter my  (new)  (renewal) subscription to *Kite Lines* as follows:

Circle rate desired.	1 year (4 issues)	2 years (8 issues)	Foreign orders must be paid in U.S. dollars on a U.S. bank or by international or postal money order. (Charge card orders make it easy to convert to U.S. dollars.) USA First Class copies are enveloped.	My subscription	\$	
USA & possessions	\$11.00	\$21.00		Gift subscriptions (enclose full information)		
All other countries and USA First Class (includes air-lifted service)	\$15.00	\$28.00		Subtotal for subscription(s)		

**BONUS:** All new subscriptions start with the *Kite Lines Annotated Kite Bibliography* followed by journal issues as published, unless order specifies to start with current issue.

### FREEBIES:

One of each per request with order. (To order freebies separately, please enclose SASE. Bulk rates available on request.)

Check:  "Brief Guide to Safe & Sure Kiting"  
 "On Forming a Kite Club"

**TOTAL  
AMOUNT  
ENCLOSED** \$

Make check or money order payable to *Kite Lines*. All foreign orders must be paid in U.S. dollars through a U.S. bank or by international or postal money order.

**SHIPPING:** Our policy is to ship within 56 hours of order receipt. We notify you of any delay beyond this. We use UPS or postal service as appropriate. For orders other than subscriptions, please give us an address rather than a p.o. box. Sorry, no CODs; no billing except VISA or MC.

My Name \_\_\_\_\_

My Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Please give us a phone number to call if necessary about your order: \_\_\_\_\_

### CREDIT CARD CHARGES:

Please charge above order to my credit card:  VISA  MasterCard

Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Cardholder's Signature \_\_\_\_\_



Charges may be ordered by telephone 10 a.m. to 10 p.m. EST. Call 301/484-6287. Or mail to: *Kite Lines*, 7106 Campfield Road, Baltimore, MD 21207-4699, USA.



**NOW—  
COMPLETE  
KITE TALES  
ON MICRO-  
FILM**

NOW THE COMPLETE file of back issues of *Kite Tales* (predecessor of *Kite Lines*) is available on microfilm. The set includes all 40 issues in 49 microfiche jackets, representing approximately 1600 pages, from the first issue, October 1964, to the last, November 1976. Plans, profiles, commentary, news—resource material available nowhere else. A must for researchers, collectors and libraries. Microfiche may be read in almost any library and paper copies made for individual study by using certain copiers. Offered through royalty agreement with Robert M. Ingraham.

**Per issue/\$2.50, Full Set/\$85  
Postpaid except foreign airmail add \$3/set**



**KITE  
PLANS  
PACKETS**

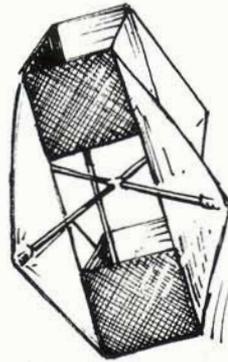
Each handy packet contains instructions, materials lists and dimensional drawings for tested and proven kite designs:

**Packet 1:** The Sanjo Rokkaku—7½ feet tall—the hexagonal classic from Japan, adapted to materials available in America by Mel Govig. Includes an article on the Rokkaku mystique by Valerie Govig.

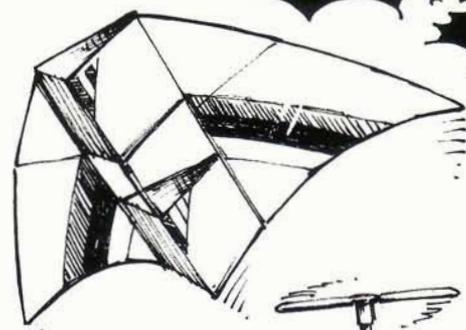
**Packet 2:** Four favorites for beginning kitemakers—the Standard Sled (36"), the Mini Sled (16"), the Standard Delta Wing (66") and the GIANT 29½-foot Delta Wing, all by Dan Lirot.

**Each packet postpaid, \$3.50**

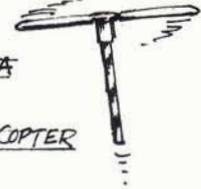
**INTERNATIONAL CONNECTIONS**  
 835 WELDON RD.  
 SANTA BARBARA, CA 93109  
 (805) 963-2964



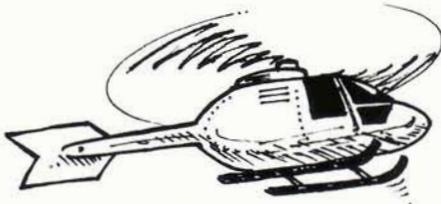
ASTING NYLON BOX KITE



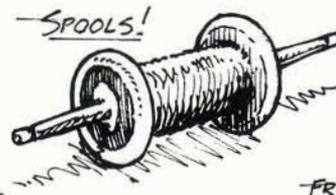
CUSTOM CONYNE DELTA



HAND-COPTER



FLYING COPTER



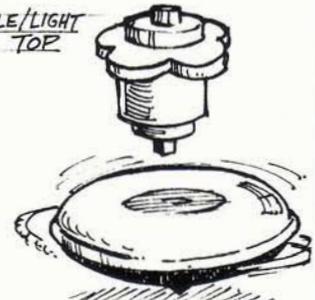
SPOOLS!



WHISTLE/LIGHT TOP



FRISKY FUZZY

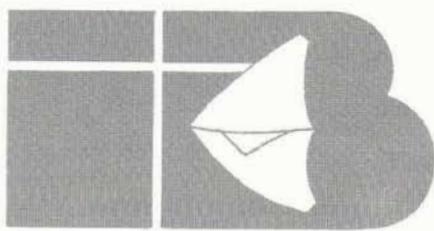


Dealer inquires only

**WE'RE GROWING  
 ...THANKS!**

**KNOWN & FLOWN  
 WORLD-WIDE  
 THE ACCLAIMED  
 10th ANNIVERSARY  
 DELTA KITE**

- Designed and entirely handcrafted by Bob Ingraham, founder of the American Kitefliers Association and KITE TALES magazine (predecessor of KITE LINES).
- Now with all fiberglass spars—unbreakable, flexible and won't warp. Spars have soft fabric protectors.
- Made entirely of high grade ripstop nylon with removable wing and center spars. Has 7-foot span. Sewn entirely in attractive creative stitching.
- Flies in exceptionally low wind velocities, is highly responsive to thermal lift and has wide wind range capability. Easily erected with unbreakable slip-in type spreader bar.
- Two-color design on canopy and keel. \$39.95 each plus \$2.50 shipping and handling



Order from:  
**Bob Ingraham**  
 315 N. Bayard St.  
 Silver City, N.M. 88061  
 (505) 538-9083

**give  
 your friends  
 a lift!**



**put Kite Lines  
 in their hands**

Give or subscribe to Kite Lines at our regular one-year rate (\$11 USA, \$15 other countries) and each additional subscription is \$2 off per year. You can use this offer for gift-giving at birthdays, holidays, festivals... anytime, because this offer is open all year! (See order form on page 68.)

# FLYING COLORS

KITES & BANNERS BY GEORGE PETERS



For a catalog send one dollar to: retail only  
 FLYING COLORS · 815 SPRUCE ST · BOULDER · CO · 80302

We are pleased to announce that  
**PETER LYNN**

is accepting commissions for large kites:

- 20' span Peter Lynn Tri-D boxes \$900
- 26' span high-aspect-ratio deltas \$600
- dragonflies (see *Kite Lines* Best of Show No. 8) \$1250
- centipedes 50'x12'x3' \$1250

prices in US dollars

Special designs by arrangement.

Ripstop nylon skins, fiberglass structures, U.H.M.W.  
 polyethylene caps.

All kites break down for sending by mail.



Contact Peter's US agents: What's Up, 1500 Chagrin River Rd.,  
 Chagrin Falls, OH 44022, 216-247-4222.  
 Or talk to Peter direct at 105 Alford Forest Rd., Ashburton,  
 New Zealand, phone 64-53-4538.

**T**HIS *KITE LINES* SERIES features a reader's kite picture on a whole page in *full color* in each issue. Yours could be the next one! What kind of kite photograph qualifies for this honor?

- First, the kite must fly well. Supporting information must be included describing the kite's typical flight and giving its dimensions, materials and history.

- Second, the kite must be beautiful. Agreed, beauty is in the sky of the beholder. This is an openly subjective criterion.

- Third, the kite must show some quality of originality in either form, craftsmanship, color, decoration or use of attached elements.

- Fourth, the photograph (as a separate consideration from the kite in it) must be of high artistic and technical quality—sharp, well-framed, rich in color. For printing, we prefer 35mm or larger transparencies. We can also use color prints if they are 8" x 10" or larger. Tip: we favor vertical format over horizontal.

The photograph should be taken in one of two modes: as a close-up of the kite in the sky, the kite filling at least one-third of the film area; or as a background-inclusive shot, showing people, scenery, etc., behind the kite. In any case, the kite should be shown well, although not necessarily flying, as long as the supporting information establishes the kite's flyability. In fact, background features give a reference point and sometimes increased interest to a picture.

We suggest you take many pictures of the kite. Snap it in the sky, at festivals, morning, noon and night—even indoors on display. Discard any preconceptions of what a "correct" kite photograph should be. Then send us no more than *five* photographs of *one* kite at a time. To avoid risk of sending an original transparency or photograph, you may send a duplicate for review.

Ship in stiff protective packaging and enclose a self-addressed envelope with stamps or international reply coupons for return of your material—otherwise, we cannot guarantee its return.

Photographs submitted must be not previously published. After publication in *Kite Lines*, further rights revert to the photographer and kitemaker.

*Kite Lines* credits both kitemakers and photographers. A photographer may take pictures of a kite not his or her own, but in such case should ask the kitemaker's help in supplying information for the submission. *You* are invited to enter! You have nothing to lose but your obscurity.



### Number Eight in a Series

**M**Y FIRST CONTACT with Peter Lynn of New Zealand was in 1978, shortly before the first AKA convention, called by *Kite Lines*. He telephoned to ask if I could obtain aluminum tubing of a particular size so that he could assemble his kite on the scene rather than bring the complete kite and risk problems with the airlines. I assured him I could find the aluminum and he assured me he was coming.

Later I was to learn how typical it was of Peter Lynn to act on apparent impulse but land in place thoroughly planned, full of energy and ready to fly his kites.

And ready to talk about them. Peter is one of kiting's better yarn-spinners. An anecdote I'm fond of is his description of the "wool hazard" in New Zealand. When a kite line drops over the backs of the sheep that are so prevalent there, it becomes entrapped as in a bed of Velcro®. Then if the sheep move around (as of course they do when a kite-madman chases after them) the tangles increase. Peter has been a frequent victim of wool hazard.

Although Peter is a manufacturer of kites and wooden toys, he reserves a por-

tion of his creative energy for one-of-a-kind kites of spectacular size and design, such as the Dragonfly. For months we had heard of this kite—even received a small gray snapshot of it. It remained for Jacques Fissier to capture the Dragonfly on film for *Kite Lines* at Singapore in January 1985. The scene shows Clyde Cook handling the kite, which Singaporean Shakib Gunn succinctly describes as an "extremely hard-pulling but stable kite, meticulously designed and built."

—Valerie Govig

*Peter Lynn's own words on the Dragonfly:*

Officially I call this kite the Bug, but have been unable to prevent having it called the Dragonfly. The people have spoken! I built it during February 1984 and flew it first at the 1984 festival in Weifang, People's Republic of China.

The kite is constructed from ripstop nylon and tubular fiberglass. Statistics are: span 27½', length 19½', weight 22 pounds, wind range 8-25mph. I built it from my sketched design without benefit of prototypes and it flew first time. Subsequent

tuning extended the wind range somewhat and *extensive* tuning was undertaken to develop a *wau bulan*-type oscillating flight that I felt was appropriate to the quintessential insect concept.

By 1985 a veteran of more than 300 flights, the Dragonfly had flown in China, Singapore, the U.S.A. and numerous New Zealand events before transferring its loyalties to Randy Rouse of the Washington Kitefliers Association.

The Dragonfly has been involved in various "incidents" that I'd rather not even think about—such as an entanglement with the New Zealand national grid; being cut loose at a city kite fly and perching itself on top of a multi-story building like some giant pupating insectile version of King Kong; being violently attacked by a horse at a county fair; and arriving unheralded on top of a family picnic in Auckland.

It's a very special kite for me because of its commanding visual impression and because it represents the beginning of my breakaway from pure functionalism (the Peter Lynn Tri-D Box) to a less Bauhausian view of life, the universe and all that. ◇

**IN THE GREAT  
LAKES  
THE UNIQUE PLACE  
IS THE KITEFLIER'S  
"PRO SHOP"**

**OVER 250  
VARIETIES  
OF KITES,  
LINES,  
REELS  
&  
ACCESSORIES**

- ORIENTAL
- SPORTSMAN'S
- CUSTOM
- FINE ART
- STUNTERS  
&  
FIGHTERS

**SEND FOR  
CATALOGUE  
\$1.00 PPD.**



**THE  
UNIQUE PLACE  
WORLD OF KITES**  
525 S. Washington  
ROYAL OAK  
MICH. 48067  
(313) 398-5900

# Classifieds

Classifieds are limited to noncommercial and personal advertisers. Rates: 50¢ per word, \$5.00 minimum, payable in advance to KITE LINES, 7106 Campfield Rd., Baltimore, MD 21207-4699.

## WANTED

LARGE used Flow Forms, parafoils, etc. Lewis Cretsinger, 2 Evans St., Warminster, PA 18974.

SUMMERTIME KITEFLIERS and kite sales people. Experience with kite building and stunt-kite flying preferred. Benefits: free hang gliding and wind surfing instructions. Contact: John Harris, Kitty Hawk Kites, P.O. Box 340, Nags Head, NC 27959, 919/441-4124.

IF YOU COLLECT KITES, a book on collecting and collectors is in preparation. You can help and share your pleasure in your collection by mailing a postcard with a brief description of your collection along with your name and address to: Ruth Formanek, Ph.D., Hofstra University, Hempstead, NY 11550. Or tel: 516-829-9030.

## FOR SALE

KITE SHOP—Eugene, Oregon. Longest operating kite shop in Pacific Northwest. Owner retiring. Excellent retail location. For information: Alan Evans, Broker, 315 W. 10th Ave., Eugene, OR 97401; 503-345-4860.

## Hagaman Parafoils

*Commitment to Excellence*

Custom sizes  
and colors to order  
20 to 300 sq. feet

4413 123rd Ave. S.E.  
Bellevue, WA 98006  
Ph. (206) 746-7378



Ripstop, plastics  
and other special  
kite building  
materials by  
mail order

**FOR MAIL ORDERS WRITE**  
2112 Crowfoot Drive  
Lafayette, IN 47905  
**OR TELEPHONE**  
(317)474-9868



Have your own  
big delta kite! In  
ripstop: 15-ft. \$135,  
20-ft. \$175. Other sizes  
or special designs, ask  
for quote: 619-297-2722,  
Tony Cyphert  
4621 North Ave.  
San Diego, CA  
92116



Quality kites since 1971. Mail  
order and wholesale. Inexpensive  
advertising premium kites.  
"Fly me" paper bag kites  
for schools, group projects,  
promotions.

## THE KITE FACTORY

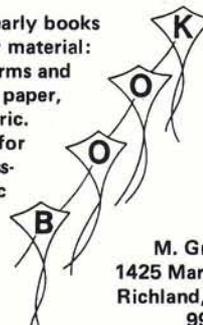
Box 9081, Seattle, WA 98109  
(206) 285-6262

## NUTS & BOLTS

**"THE SKY HARDWARE CO"**  
Send a S.A.S.E. for information on 2KP  
the NEWEST innovation in KITE FLYING,  
and the SKY HARDWARE supply catalogue.  
NUTS & BOLTS  
P.O. BOX 547 Yaphank, N.Y. 11980

## KITES FOR EVERYONE by Margaret Greger

Combines her early books  
with much new material:  
Facets, Flowforms and  
many others in paper,  
plastic, and fabric.  
Basic how-to's for  
kites in the class-  
room and fabric  
kites.



M. Greger  
1425 Marshall  
Richland, WA  
99352

144 pages  
\$10 ppd.

# AMERICA'S NUMBER ONE STUNT KITE\*

AVAILABLE AS SINGLES, 2-PACKS,  
3-PACKS, 6-PACKS AND ADD-ONS



IN 12 VIBRANT COLORS IN EVERY  
POSSIBLE COLOR COMBINATION



SPINNAKER  
GRADE  
RIP-STOP NYLON



AIRCRAFT GRADE  
ANODIZED ALUMINUM



HEAVY-DUTY, SPRING-  
STEEL NOSE CONE



COLD ROLLED, ZINC-  
PLATED CONNECTORS



EASY TO USE VARIABLE  
WIND ADJUSTMENT



COLOR-CODED HANDLES  
WITH DACRON FLYLINES

WE MANUFACTURE AND STOCK A COMPLETE LINE OF HEAVY-DUTY AND ULTRA-HIGH PERFORMANCE ACCESSORIES



100% MADE  
IN AMERICA

\* WE ARE THE NUMBER ONE SELLING STUNT KITE IN AMERICA BECAUSE WE ARE THE ONLY TWO-HANDLED, CONTROLLABLE KITE THAT COMBINES DURABILITY AND EASE OF OPERATION WITH THE PRECISION RESPONSE THAT KNOWLEDGEABLE FLYERS DEMAND!

RAINBOW STUNT KITES • 2300 WASHINGTON BLVD. • VENICE, CA 90291 • 213/301-1011



# 130 New Ideas...

... from Go Fly A Kite®. Our 1986 catalog is ready. Dazzling windsocks, exotic kites, and unique toys. Forty pages in full color, free. Call us toll-free at 1-800-243-3370. In Connecticut call: 873-8675. Or write to:

**go fly a kite®**  
Box AA, East Haddam, CT 06423