

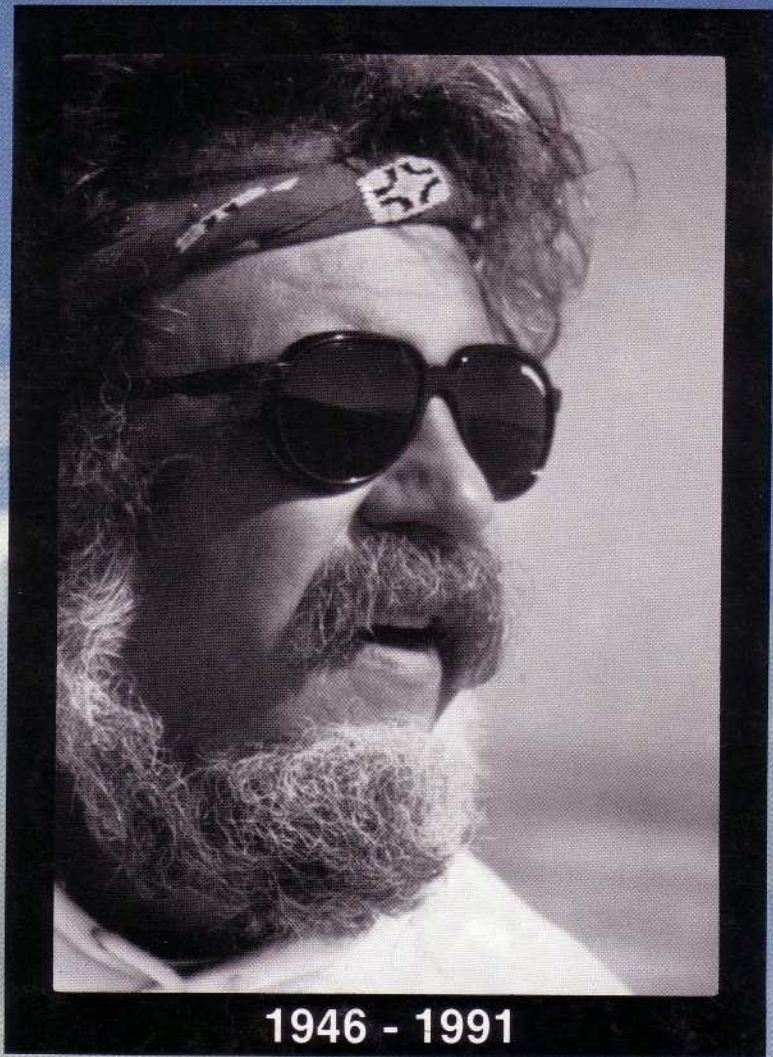
VOL. 3 NO. 2

SUMMER 1991

\$3.50

SKQA

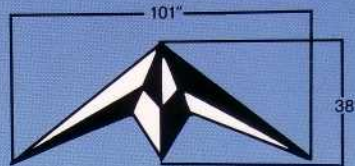
STUNT KITE QUARTERLY



1946 - 1991

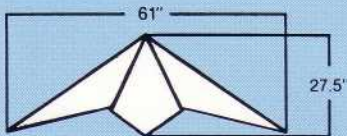
WHICH IS HOTTEST OF THE HOT? *You decide.*

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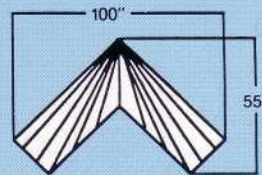
FIRE DART

The championship caliber FIRE DART offers precision flying, excellent handling, unique graphics and a wide wind range. It is one of the most competitive stunt kites on the market.



SKY DART

The Action Kite SKY DART receives rave reviews wherever it goes. This kite is a real winner! Its high-speed and extremely sharp turning ability should make this kite your choice for competition.

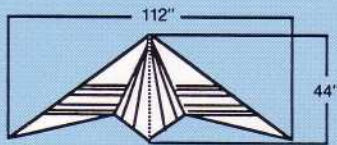


PHOENIX 20

Why mess with perfection? This mainstay of our company has been in production for years and is still going strong. The award-winning PHOENIX 20 is a real performer in light to moderate winds. Its large size and bold graphics are a sight to behold.

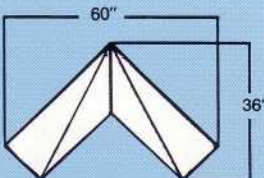
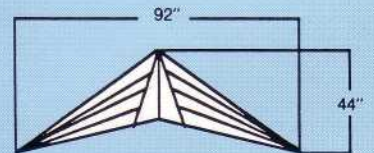
SUPER SKY DART

This redesign of our standard SKY DART is available in two stunning patterns. Outstanding mobility and fast, sharp turns make this kite an impressive and stylish flier.



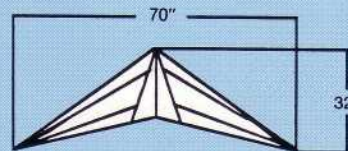
STAR DART

This kite promises viceless flying. The STAR DART is very sensitive and responsive, but also very forgiving. The STAR DART flies the way you want it to fly.



ACTION 8.2

The ACTION 8.2 — imitated but never duplicated. This littler brother of the PHOENIX 20 is popular for its high speed, tight turns and ease of flight. Easy assembly and small storage size make the 8.2 an ideal traveling companion.

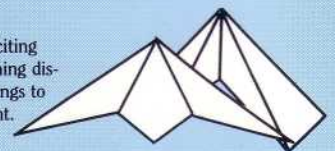


NO NA ME

The NO NA ME is a responsive kite, great in moderate to strong winds. It's an excellent high-performance kite for beginners or experienced fliers who want a smaller, faster, lighter-pulling delta wing.

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Fellow flyers,

I'd like to take a few lines to thank so very many of you. Cris lived his life as he choose, he'd go out and make his dreams come true. His latest fascination was with kites, particularly stunt kites, and the future of kiteflying. Many hours of conversation were spent with many of you, going over the mechanics of design, varying flying styles, ways to "succeed" in the kiting industry, and where the sport is heading.

People joked with us about our "job". Cris would look around and say "This is a great office" as we were traveling from coast to coast. There were frustrations, Cris was never quiet about that, but he was dedicated to finding solutions. Thank you for the return dedication and the opportunities to help and be a part of your lives. You brought him a great deal of happiness. There is so much more for me to say, but Cris loved to write, and I'd like to share one of my favorite pieces with you.



I used to climb in the Canadian Rockies. That was a long time ago but one afternoon remains etched in my mind.

Having paused a while among the high rocks I watched two eagles. It was their season. Eagles are incredible birds, sharp of eye and unbelievably quiet in flight. So much silent power.

They climbed over and over, wheeling til they were but specks in the sky. The birds then grasp each other with their talons and mate in free fall, oblivious to their being out of control. They grip each other so fiercely that neither can fly free until both have relinquished their grasp.

Time after time the great birds rose to heaven and fell, plummeting towards the earth; each time a total act of faith each in the other. Sometimes only a hundred feet from oblivion would they at last part.

This, I remember thinking, is love.

On occasion, paired birds are found among the rocks, in love til death, but still not parted.

How will it be?

Fly with me.

Through the grace of God, through the supportive help from my family of kitefliers, and through all that Cris imparted to my mind and soul, the dream lives on.

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ON THE COVER; Cris Batdorff through Susan Batdorff's eyes.



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

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Dear SKQ,

Regarding your Spring 1991 issue, specifically the "letters" column: please tell Randy Gordon-Gilmore of Benicia, CA (and all your readers) that the Garber Target Kite was not "the original stunt kite."

Unfortunately, we may never know "the original stunt kite," but we do know that two-line, three-line and even four-line controllable kites were flown many years before Paul Garber's kite ever saw the light of day.

Every kiteflier concerned with historical accuracy will thank you.

Highest regards,
Leonard M. Conover
President
The Greater Delaware Valley Kite Society

Objection noted! In the interest of keeping the record straight, entries are hereby sought for substantiable proof of the "earliest" controllable kite. Readers are encouraged to send their nominations to SKQ for publication!

DEAR SKQ,

Dear friends and fellow kitefliers. On Saturday, May 25th in Wildwood, NJ, I was doing a man-lift flying 12 ten-foot Flexifoils tethered. I had an accident. Two factors contributed to this accident and one contributed to the other.

Number one, my helmet was too large. The second was pilot judgment. As an experienced pilot with extensive man-lifting and big kite experience, I knew there was no room for compromise when it came to safety.

Having flown the rig comfortably that Saturday for some time, I got a bit carried away. I flew too fast to the left. My body went parallel to the ground (and) my helmet covered my eyes. Unable to see, I flew into the ground. The results of this were a shattered pelvis, crushed coccyx, and my entire body was bruised.

Thanks to the professionals operating the manlift, I was kept immobile, rushed to the hospital, and now am

slowly recovering.

It's important to understand that man-lifting is not something to be done by everyone. It takes years of experience to work up to something of this nature and should not be attempted without an experienced crew and pilots. Safety must never be compromised for any reason. Do not attempt anything like this on your own.

Although this has happened to me, and I won't be able to man-lift for a long time, I will continue to push my kite flying envelope.

Lastly, my heartfelt thanks to everyone who helped out at Wildwood. I feel honored to be a part of the kiting community. Your overwhelming show of support and generosity has left me speechless.

Thank you and AOXOIIIOXOA.
Florida breezes soon,
Dean Jordan
Jordan Air Kites
Gainesville, FL

Dean is also the head of Field Operations at the upcoming AKA National Convention. Not one to be outdone by a setback of any sort, Dean is continuing to oversee his kite manufacturing firm, Jordan Air Kites, from his bedside command post. We talked to him during his hospital stay in New Jersey where the telephone was being answered as "Jordan Air

North"! Best wishes for a super-speedy recovery! A related story appears on page 10.

DEAR SKQ,

Enclosed is a photograph of the newly formed Kapitool Air Korps, a kite club with members from the Washington, DC metro area. Although the photo is from the Outer Banks SKC, we generally fly on the grounds of the Washington Monument amid all of the other memorials and historic buildings of the city - quite a setting.

We joke that we have the "safest flying field" in the country; our bags have been searched by the Secret Service (Gorbechev's helicopter was taking off nearby) and when President Bush flies back to the White House from Camp David on Sunday afternoons, the police ask us to keep the kites down until the helicopter flies over. We also have visitors from around the world as spectators.

As a club, our major goals are to encourage interest in the sport and to promote SAFE kiteflying. We're excited about our new group and invite any fliers visiting the Washington area to join us!

Sincerely,
Sherrie Arnold
Secretary-Treasurer
KAPITOL AIR KORPS





The Stunters' News



CALIFORNIA TEAMS CLAIM VICTORY AT RENO INT'L

California teams placed 1,2,3, at the Reno, International Kite Fest held this past April 6th and 7th. The event was marked by some very extreme winds: sustained 35 MPH and gusts to 50 on Saturday, followed by almost no wind the next day.

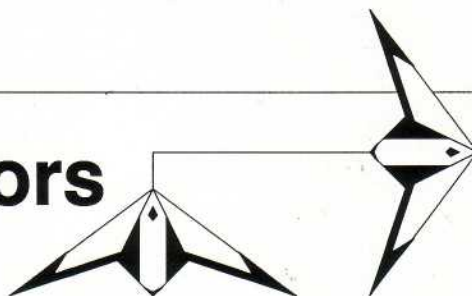
First place went to the Bay Area Sundowners (l-r, kneeling): Barry Nash, Gordon Osterlund, Ken Osterlund, and Ray Wong. It was the first-ever competition for the team as a four-man squad. Second place went to the San Diego Extreme (standing, at left): Paul Hodges and Chuck Aldridge. Also competing for the first time, and garnering third place for their efforts, Team Paragon (standing, r-l), comprised of Harvey Chan, Jon Baressi, and Craig Wong.

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KITE-EATING DOG TERRORIZES KAMAKURA BEACH

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Pish-posh, you say? Not so. This is one problematical pooch. No backyard lay-about, this. Hiro Tsuchida, Team Banzaii Osnas, caught this photo of the cunning canine in the midst of one of the her one-and-a-half meter (!) leaps.

According to Hiro, the strikes are most often made while the unsuspecting flyer is attempting a landing. "Nobody can stop her! In 30 minutes, she barely stops her exercises."

The only tactic, apparently, is to wait. "In time, too tired to walk for herself, (her keeper) arrives to carry the dog back home."

As the photo indicates, the assailant has an apparent preference for North Shore Radicals, but has been known to take smaller prey on occasion.



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**Into The Wind
1991 Kite Catalog**

Crumpler Hired as Product Manager

Gayla Kites to Produce Windwalker's Wasp



New moves in Houston! John Mirch, Gayla Kites vice-president of sales with Windwalker's Terry Crumpler. Crumpler will head Gayla's new stunt kite division.

The 35-year old Houston, Texas-based firm of Gayla Kites recently announced the acquisition of Windwalker Kites (Clute, TX). Windwalker has been producing the WASP kite since 1987. Terry Crumpler, the inventor of the WASP and Windwalker principal, has been retained by Gayla in the capacity of sales manager of the Windwalker Division.

"We've always wanted...over the last 15 or so...to get into the 'competition' kite market, but didn't have the product to get in," according to John Mirch, vice-president of sales. "We've always wanted to have a 'full-service' kite company. That is what (the WASP) will enable us to do."

Gayla presently has several operations from their Gijon factory in Spain, to plants in Toronto and Australia. They introduced their first stunter, the plastic Stuntmaster, in 1979, to appeal to the mass market. In 1990, they began producing the Wolkenstürmer kite which has seen principal distribution in Europe.

For Crumpler, the whole arrangement is "...a match made in Heaven. I've known that the WASP was a good competitive kite, but I never had the financing to provide the numbers that were wanted. With Gayla's backing, we'll be able to make the kite even better." Gayla will also be producing the newest version of the WASP, the smaller Guinea. The kite was first flown in 1990 and has only been available in severely limited numbers.

The new WASP will reportedly be made with Carrington ripstop and will be sparred in graphite. Sails will be sewn in Spain with final assembly being completed in the United States. A "Pro-WASP" competition model may also be in the offing.

"I intend to get back out there on the field as a competitor," Crumpler stated. "It's one of the best ways to follow through on what people want...what they're looking for. Those are the people who are buying the kites...and they're who we'll be interested in."

The new WASP kites are available now from Gayla.

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JORDAN AIR
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THE HEART OF THE FLIERS

Dean Jordan, of Jordan Air Kites, was injured this past Memorial Day Weekend in a freak accident while involved in a manlifting attempt at Wildwood, New Jersey. Jordan was at the controls of George Baskette's Nitro-Fly stack of 12 10-foot Flexifoils when the protective helmet he was wearing slipped and covered his eyes during a sweep to the left. Unable to regain his bearings, Jordan flew the kites, and himself, into the ground resulting in a broken pelvis and several bruises.

George Baskette, owner of the Nitro-Fly rig, has flown the stack many times in exhibition without previous incident. Jordan, a long-time friend of Baskette and a fellow power-flyer, had also put in several hours in the rig.

"It was just one of those things," Jordan told SKQ. "You try and make every possible concession to safety each time that you take the lines but sometimes the obvious can get overlooked. The helmet was just too large and the control got away from me."

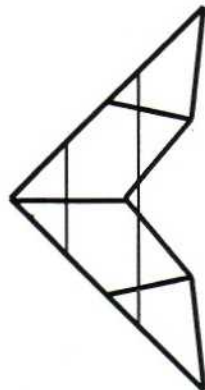
Competitors at the East Coast Stunt Kite Championships were quick to react to the plight of their fallen companion. The usual banquet, held on Saturday evening was turned into an auction with Jordan as the beneficiary. In an unprecedented show of good will, better than \$10,000 was raised from the sale of donated kites.

"This is what kites are all about," commented one participant. "They're a whole lot of caring folks out there. This sort of misfortune kind of brings out the best in them."

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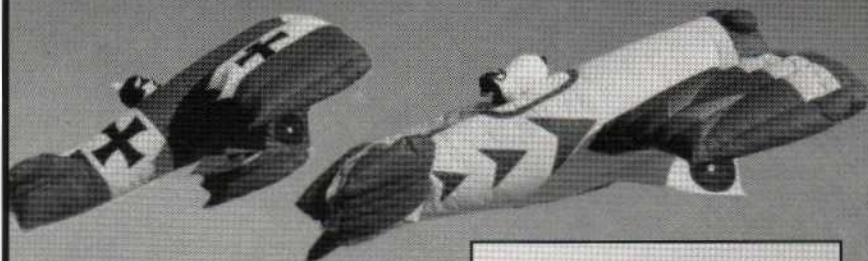
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Philadelphia Hosts 5th Kite Festival

The 5th Annual Philadelphia Kite Festival, held April 27 and 28, in Fairmount Park was a showcase for kiting. A comprehensive single line competition and a corporate rokkaku challenge complimented the modified dual line competitions. In previous years, winds have been difficult on tree-lined Belmont Plateau, so this year only Experienced and Masters level fliers competed.

Single line fliers and dual line competitors shared time on the main competition field surrounded by sponsors' tents and bleachers creating the best arena setting yet. Frustration arose only as the dual line competition used more than its share of time on the main field.

Plans are underway for 1992 to establish two fields in the round so that spectators might enjoy the spectacle and beauty of single line next to the excitement and sport of stunt flying.

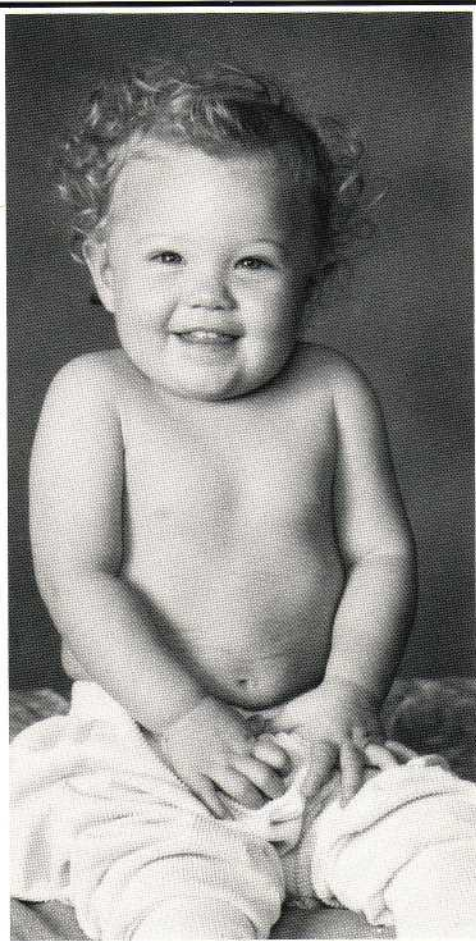


Winners in the Open Team Precision and Open Team Ballet were the Roaring Flamingos, who also received the prestigious Ben Franklin Award which is given to the Kiteflier/s of the Weekend. In the past, the award has been presented to those individuals who have impacted the event with the most electrifying

setup of kites. The Flamingos dazzled the local crowds in Philadelphia.

The Masters Individual Ballet was taken by Bob Hanson flying to music from the Broadway show "Dream Girls". The Experienced Individual Ballet was won by Michael Moore who danced his kite in the sky to music by Anita Baker.

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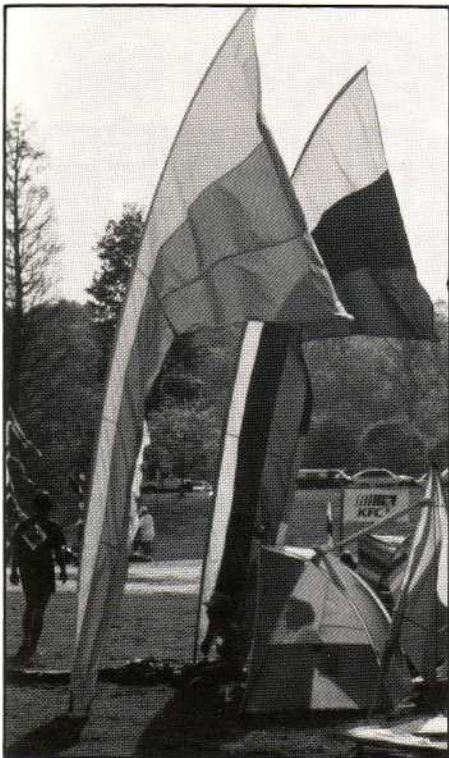
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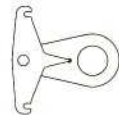
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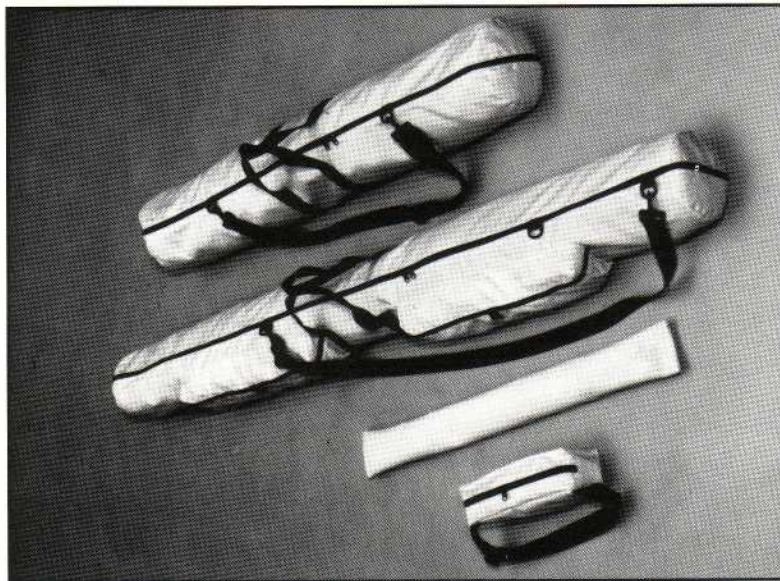
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NO WIND, LOW WIND FLYING

By Lee Sedgwick
and Cris Batdorff

Somewhere there is a mythical world where the breezes are always a constant, perfect 10-12 miles per hour. There are neither gusts nor lulls. No obstructions litter the field. Somewhere...but it sure isn't here!

It's happened to all of us at least once. Sooner or later we find ourselves standing at the good old flying field, kite in hand and...no wind. Dog gone it, another afternoon shot! But don't dismay...help is at hand!

Extreme low wind situations are flyable. It's not tremendously easy the first few times but, as you get acquainted with the conditions and techniques involved, it's intensely rewarding. In time, the challenge of flying at this low extreme can even become preferred.

"After work, I used to check the trees as I drove home, looking for any breath of wind," says veteran low-wind flyer Lee Sedgwick. "After a while, I was tired of getting 'skunked' and decided that I'd better learn to fly in the light stuff."

"There are a lot of variables involved in low wind flying," Lee told us. "The lightness and type of kite, diameter and weight of the line, and the maneuvers performed are all factors. So is the stamina of the flyer; unless the wind is above 3MPH you're probably going to have to move to keep the kite in the air."

Although nearly any kite can be made to fly in low wind, the consensus is that short, lightweight lines are the best to fly it with. It's important to remember that line exerts drag as well. The lighter the line, the less surface (therefore drag) is presented to the wind. Heavy lines can also weigh the kite down and make for sluggish response times on the part of the kite. Most flyers have a good selection of lines in their bags and these low situations are a good time to select light, short ones. "I usually use about 80 feet of 75-80lb. Spectra," Lee notes. "The running maneuvers are easier to do and the control is better."

Flyers who utilize handles may wish to explore other options for light-wind usage. Feel is especially critical and anything that has a deadening ef-

fect between the kite and the pilot's hand may be a disservice. If handles are a must, try keeping a finger or two directly on the lines to monitor subtle differences in pull. Any advantage that will put you in greater "contact" with the kite is worth exploring.

Picking a kite can be a little harder. Even though nearly any will do, there are some choices that will cause the flyer less initial frustration. Most light-air enthusiasts prefer one either with graphite or aluminum/carbon composite spars because of weight and stiffness. Another good rule of thumb is that the less overall weight to sail area will produce the better light wind kite. Taut sails also appear to work better than those with larger amounts of billow. Standoffs can be a matter of practical necessity.

Flexifoils, one of Lee's favorite low-wind/no-wind machines, work extremely well but, again, will require ultra-light spars in most cases. Dia-

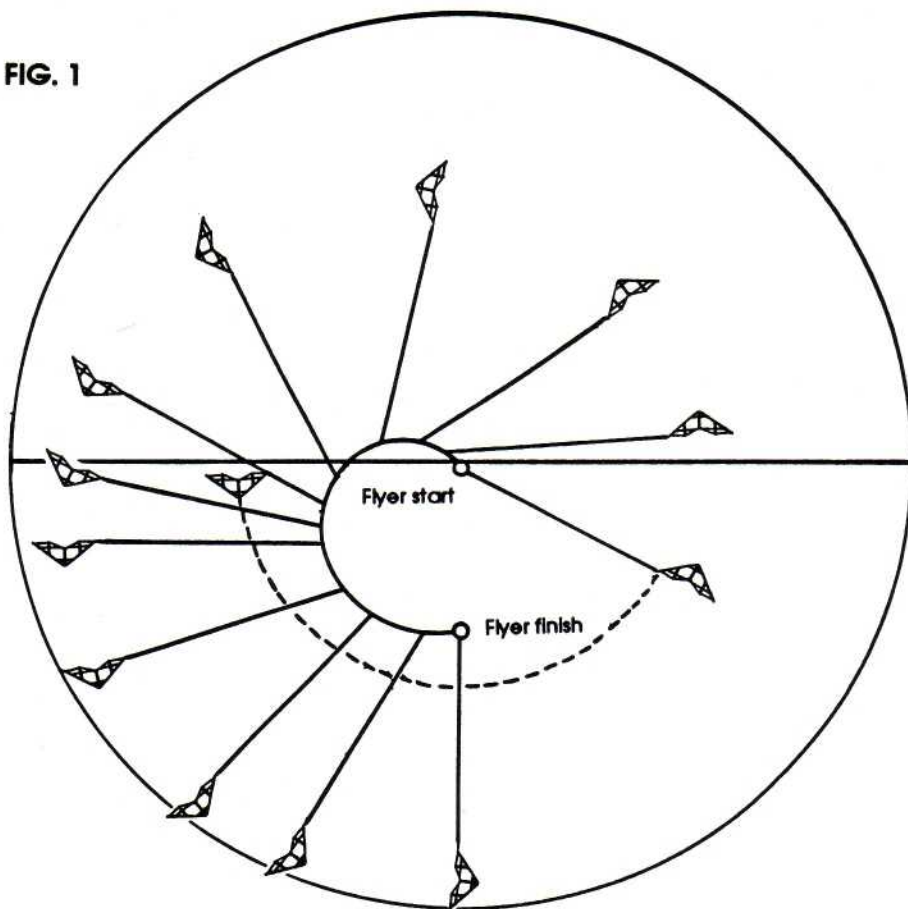
mond-shaped kites can work well in specific conditions but generally fall into the "difficult" column. Stacks are usually not recommended and tails are definitely out unless you count yourself among the superbly conditioned!

Regardless of the kite selected, it's a good bet that you'll have to make some adjustments to it in order to have it perform at peak levels. Weight is at a premium so look for ways to shave off the excess. Vinyls can often be trimmed or changed to lighter sizes. The same applies to bunji cord.

Sails should be tightened to make optimum use of the surface area. In some cases, substitute spars will provide a lighter, tighter and therefore better framing option. Serious devotees of extreme low wind will find several kites on the market specifically designed for that purpose. Weights for these "ultralights" run to an average of about 10 ounces but there are good low-wind flyers as high as 13-14 ozs. and as low as 6.

A good location is one of the prime requirements for extremely low wind situations. Beaches, public parks, and even parking lots can all serve as good sites although there are drawbacks with each. Beaches, while providing some of the best shots

FIG. 1



LOW WIND, NO WIND CONT.

at small amounts of breeze, often counter with soft, uneven footing. Parks usually have the best footing but can present ruts or holes and become slippery when freshly watered or dew-covered. You're also more likely to find obstructions like trees, buildings, and people in park areas. Parking lots deliver an excellent surface with no ruts or bumps. They can also provide some nasty scrapes and bruises from falls.

With practice, even heretofore unconsidered options come into play. "The spaces between buildings often works well," according to Lee. "Wind in the form of drafts can rush around structures even on calm days. In the early evening, if you happen to live near a large city, a gentle breeze can come up from thermal cooling of the surrounding countryside."

The same can hold true for lakefront locations. There is nearly always a bit of breeze at the end of the day. It may not last long, but it's usually there.

There are also location considerations for the kites themselves. Sand

can provide a great surface for launching a delta-shape stunter...but it can be a problem with 'Foil' as sand tends to work its way through the mesh on the front of the kite and down into the cells. Contact with damp surfaces like dew-covered grass will quickly impair the ability of any kite to perform at its peak. Foils launch easily from paved surfaces but rigid-frame kites may encounter problems with the same maneuver. Even kites equipped with standoffs occasionally fail for lack of any way to gain footing. Of course, a crash or a wing drag on hard surfaces can be particularly damaging. Suffice it to say that the type of kite being flown should be considered when choosing a location.

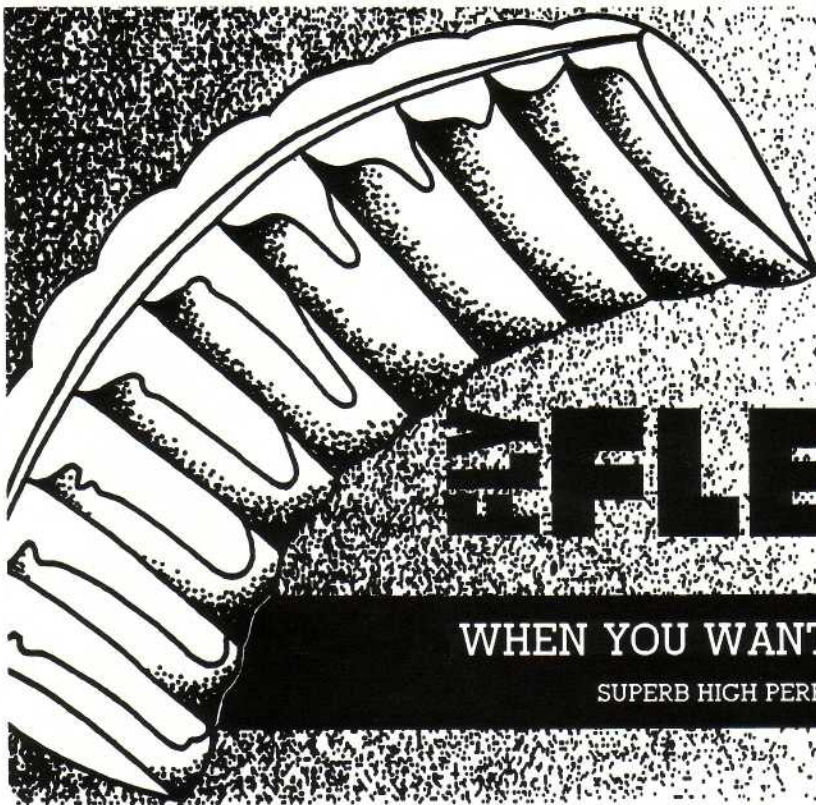
If an asphalt surface is selected, Lee recommends carrying a couple of push pins. These can be pushed into the asphalt to provide the tiniest of ground stakes for your lines. You can also use a suction-cup/hook like the kind used to hang stained-glass on windows. Just stick it to your car window and...voila! A carabiner clip can be fastened your kite bag for the same purpose but in any event, for low wind flying, you can leave your long ground stakes at home!

Low wind/no wind flying can pose some real problems to flyers who are not prepared physically. The lower the breezes, the more the flyer is going to have to move to "create" his own. It's best to start this activity after an appropriate amount of conditioning. Warm-up exercise, particularly of the stretching variety will greatly reduce the risk of strains and sprains.

Now for the flying...after all, that's the fun part!

Extreme flying, either at the top or bottom of the scale is an exercise in finesse. In low wind/no wind, it can be like flying in slow-motion. The flyer must "feel" where the kite wants to go in its search for air. Jerky, quick movements do have a place but it is a small one. Generally, they will succeed only in pulling the kite from the air or, at least, drastically out of position. It's rather like flying in Jello.

The flyer must remember that he is in the process of "making" his own wind in many cases. Any adjustment that can be worked to positive advantage is worth exploring. Don't neglect the option of moving your bridle clips. Adjustments over 4 inches of bridle lines are not unthink-



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able. Don't be afraid to experiment! If the adjustment doesn't work, simply go back to the original marks. There are several techniques and maneuvers that can be utilized in low extreme situations. They are designed to make use of, or take advantage of, a couple of physical forces.

One of the easier maneuvers to learn is "rowing". The arms are moved in a motion like rowing a boat. The "wind" is created as the arms are pulled back, the kite coasting during the forward motion. In light air, this is a slow motion process which is used to gain either speed, altitude, or both. Combined with a backward movement on the part of the flyer, sufficient forward momentum is imparted to the kite to keep it aloft.

Once the kite has gained sufficient altitude, it can be directed towards the ground. At this point, gravity becomes an ally. As the kite "coasts" groundward, it can also move downwind. The flyer can walk or even run forward to regain field lost during backward movement. This is, perhaps the most important technique in extreme low wind flight ...gaining field.

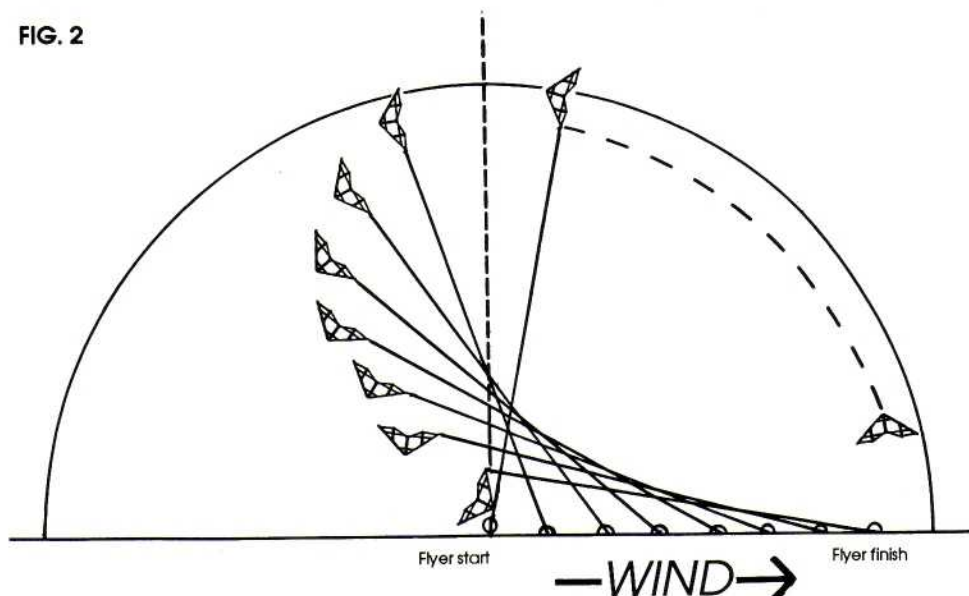
With experience, the kite can be "floated" groundward in an attitude that is nearly parallel to the ground. The kite can be given extra line and the will assume a "nose up" attitude while going away from the flyer in a stall. This is an easier maneuver to initiate than it is to recover and will take a good deal of practice.

Suppose that you are having to walk backwards more than you thought necessary and find yourself exhausting available field space. This is the time to run a 360 (Fig. 1). This maneuver, most easily performed in very low wind situations, consists of the flyer running his kite in a circle of the available flying field.

It is best to start the trick with as much momentum as can be mustered. Basically the flyer runs in a circle, towing the kite behind and slightly to the "outward" side. It is used to gain field and requires sufficient flying space on the upwind side to get the kite by. Your choice of short lines will benefit greatly here! Be sure to keep a close eye both on your footing and the path your kite is taking. As your skill increases, try 360's with loops or other figures mixed into the maneuver.

Perhaps an "up-and-over" can

FIG. 2



work its way into your low wind routine (Fig. 2). For this maneuver, the kite is pulled either by means of running or pumping, to an overhead position. Once this is attained, the flyer needs to run DOWNWIND which will bring the kite arcing towards the earth on the UPWIND side. As the kite approaches the ground, the maneuver is completed by running the kite back downwind like the last half of a 360. It will take patience and much practice to do this one well! It can also be performed by running the kite halfway through a 360, and bringing it over the top from the upwind side.

Another learned technique, like that of gaining field is that of "floating". It is rather like placing the kite in freefall. As the kite's lines are often slack, this is best attempted with uncrossed lines. Basically the kite is placed high and allowed to travel on what wind there may be aloft while the flyer tends the lines, making minute adjustments as they are needed. The item to watch for here is the kite's tendency to fold and dive earthward. Should this happen, be prepared to make a running save. This technique is performed easiest with the Flexifoil and is difficult but achievable with delta-shaped stunters.

Yet another technique, popularized by Lee is that of "lone lining". Basically, lone lining is flying the kite on one length of line, a loop, which can vary in size from 10 to better than 150 feet. There are no handles or straps employed. The flyer works with the bare line in most cases, although some will splice in a center length of Dacron to get away from the

abrasiveness of Spectra or Kevlar line. Because there are no set points of reference, like handles, to determine pre-set lengths, much greater finesse is required to handle the kite.

Lone lining is not a technique to rush into. The potential exists for considerable injury to untrained hands. It must be stressed that lone lining is STRICTLY A LOW WIND TECHNIQUE. This technique should only be used with a kite exhibiting minimal pull! Once the flyer learns how to manipulate the lines in proper fashion, he will be able to play the line out through his hands as well as pull it back in at will. Lee generally uses the lone line technique with the Flexifoil and is able to nearly lay the kite out flat from one end because of the lack of pre-set constraints.

The easiest way to practice low wind/no wind techniques is to do it gradually. Start in as light a breeze as you feel comfortable with and begin working your way down. As a helping point, Lee observes that when the kite is above the 45 degree mark in front of the flyer, it tends to generate more lift than pull. The same is true in reverse, the kite generating more pull than lift below 45 degrees. This will help provide a practical reference point for some of the maneuvers listed.

It's important not to give up when you hit each plateau in your "downwind" progression. Remember: extreme low-wind flying is an exercise in finesse and feel. Don't try and master everything in one afternoon's flying. Some of the tricks may take weeks to accomplish easily, but keep at it. Soon you'll be flying in extreme low wind like a pro...and loving it!

EURONOTES

BY ANDY KING, THE KITE STORE LTD.

No fewer than 12 teams turned out for the 2nd Open du Touquet, held in the broader context of Cerroling No.2 on the 27th and 28th of April in Le Touquet, France. The fact that eight of these teams came from the U.K. reflected the pace at which team flying is developing in this country. Holland was not far behind with three teams in attendance, the final entry coming from France, itself.

A serious judging panel had been assembled comprising of Robbie Sugarman (U.S.A.), Viv Walters (U.K.), Will Diver (U.K.), Helmut Georgi (Austria), and Maxime Fellion (France). The Saturday saw light winds which picked up as the day progressed meaning that the Precision competition did not get underway until the afternoon. At the end of the day, The Team With No Name, lead by ex-Blitz leader Paul Jobin and flying Hawaiian Team Kites took first place (78.60) with a very solid performance. Not far behind were the Decorators (78.22) who used custom Phantoms. Making their competition debut were the Blast, who came in third (75.55) and the remodelled Team Flashback (68.90) who took fourth. These teams used Lite Flites and Flashbacks, respectively.

The Sunday morning saw slightly stronger winds than the previous day which, as the Ballet competition progressed, really picked up to blow fiercely. All to the detriment of some of the later teams performances. The new Dutch team, The Highlights, flying with five members to "Memories", walked away with first place (80.17). Flight FX, who came from Birmingham, U.K., took second (79.80). Two great debuts by these recently formed teams. Flying a six-man routine, Holland's The Dyke Hoppers took third place (74.23) with some very exciting flying. The Blast who, by the time they flew, had to deal with very strong winds, came in fourth (71.93).

The competition proved a great success and provided the first chance this season for many newly-formed teams to test their skills against each other. I must mention Team

Merlin (U.K.), The Crash (Holland), The Wicked Allsorts (U.K.), and the youngest team on the European circuit, Organised Chaos (Marcus is twelve and Alex, fifteen).

The weekend of June 15th and 16th saw the first North Sea Cup Team Championships which were held in Scheveningen, Holland. The Saturday brought rain (and I mean RAIN!) and raging winds...ideal conditions for Team Precision! The hardy judging crew led by Viv "Captain Biff" Walters decided to go ahead anyway using a beach bar as the stage-in area.

Six teams braved the elements in a competition which proved to be more a test of endurance and nerves than anything else. The Blast, using their as yet unseen 3/4 Lite Flites, came out on top (63.20) and the Dutch Highlights took second (59.70). Close on their heels were the Dike Hoppers (59.30) proving that you can field a six-man team in even the most difficult conditions.

The weather proved kinder on the Sunday with sun and much lighter winds. The Ballet saw a lovely performance by the Highlights, who earned first place (71.00). Coming in second were the Blast, flying to Bugs Bunny's Corny Concerto (does this team take anything seriously?) and gaining 68.60 points in the process! Very close behind (68.30) were the Dike Hoppers, who really are developing a very distinctive style (with six kites, what do you expect?).

The North Sea Cup, which stands nearly two feet tall and weighs nearly a ton, was won by the Blast, who overall (ie. combined Precision and Ballet scores) achieved 131.80. Very close behind were the Highlights with 130.70 and the Dike Hoppers with 127.60. Mention must also be given to Flight FX (118.20), The Crash (111.90), and All at Once (105.20).

On the individual front, Europe has seen competitions for Experienced and Novice flyers in Berk sur Mer and Pleubian with the third leg of the French Nationals planned for Dieppe in October. Experienced Team competitions were also run and

showed that Les ZAbelles (The Bees) are a force to be reckoned with. Meanwhile Belgium has staged two of its three National Competitions with rounds having taken place in Oost-Duinkerke and Den Haan. The final round is scheduled for Ostend on the 13th and 14th of July. League flying continues to go from strength to strength in the U.K. to the extent that Quad-line and Team leagues are now in planning stages.

Future important dates to note are: the 2nd European Cup, Montpellier, France (August 31-September 2) which, subject to confirmation by the World Cup Committee, should have a Wild Card for the highest-placed European team not already qualified for the World Cup; the Kite Store Invitational Masters Team Stunt Kite Championships, Bristol, U.K. (September 7-8); Silvaplana, Switzerland (September 11-12); the Berlin Cup (September 21-22); and the German Nationals, Paderborn (October 4-6).

Finally, the British Nationals take place on Blackheath, London (June 28-29). This event will not only establish the National Individual and Team champions but also the top two teams to go forward to the World Cup in Bristol, England on the 14th and 15th of September. Top of the Line, Prevailing Winds, and High Performance are confirmed as are Team Ninja from Japan and Up Against the Wall from Germany. Things are hotting up!

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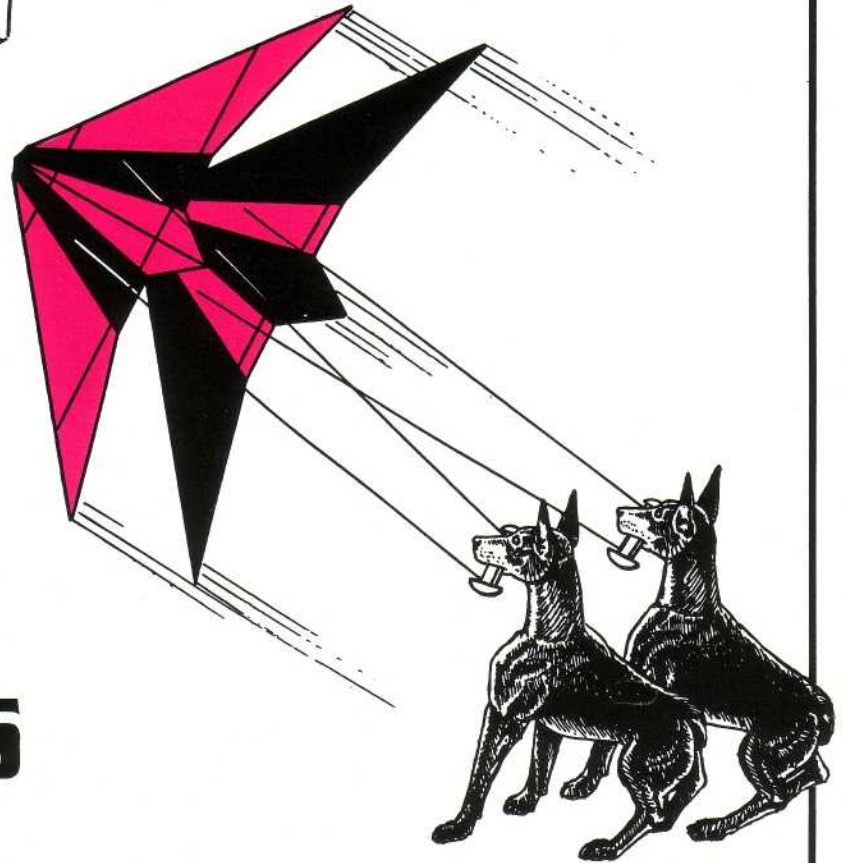
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CRIS BATDORFF

This year it was different. Everyone was ready...there was high wind gear in all the bags. Small kites...big spars...heavy lines...Galveston, bring on your fabled hurricane!

Like so many of life's other uncertainties, however, it was not to be. After two years of chilly, ripping, northern winds, the Texas Gulf Coast Challenge was spared the blast...but Mother Nature had other cards to play.

The day prior to the 5th running of this national event saw the entire south-east Gulf coastline immersed in the worst torrent of rain in most people's memory. In fact, with some areas recording as much as 12 inches in 24 hours, and the prospect of more to come, it looked briefly as if the event wouldn't come off at all!

We arrived at R.A. Appfel Park on Friday, to find it virtually under water. Memories of Wildwood's famed "Lake Skynasaur" popped into mind. In front of us, just where the blacktop ended and the puddle began, members of Hawaii's High Performance team surveyed the flying area. The two Ninja Turtle clips on Alan Nagao's shoe laces looked right at home peeking out of the ooze.

"So where's the beach?" he laughed, as only Alan can.

"You're standing in it." we replied. A mist had begun to fall. Scott Aughenbaugh looked chilly. It sure wasn't Hawaii.

New squad member Allan Guillen looked incredulous. "So THIS is Texas? Oh well, we've been flying in worse back home!" The next 48 hours would prove just how correct the statement was...High Performance was about to steal both the weekend and the show.



Hawaii's High Performance team on their way to a sweep of the Master's Class events. Well-thought-out, gutsy performances will make them the team to beat this year!

Brian Hirose, ever the optimist, seemed completely undisturbed. "We can fly in this...besides (cocking his eye towards the West), this will clear up by tomorrow."

My flyer's judgement had been somewhat jaded by the weather forecast and earlier television footage of partially submerged vehicles on the freeways an hour north.

"Maybe..." I tried to agree.

Incredibly, a pick-up load of hosting Surfside Flyers had begun to set up field boundary markers trying to make the best of what appeared to be a worsening situation.

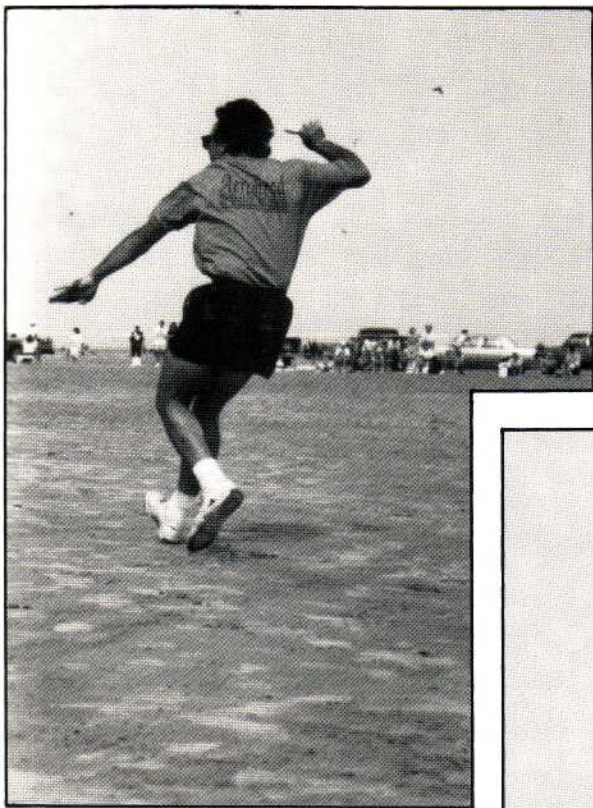
Back at the headquarters hotel, flyers had already begun queuing up for registration. The weather eventually worked itself into most conversations

as competitors tried to persuade themselves that the worst had already passed. Terry Crumpler, the Challenge organizer, had no doubts.

"Won't be any problem...things'll clear up by tomorrow!" Sure.

Most went to sleep with the drizzle still coming down outside...some didn't sleep at all. A new point system for qualifying for the AKA Nationals had just been issued and it was causing justifiable consternation for many.

Saturday started out gray. The air was heavy but there was a good breeze coming onshore. Miraculously, most of the water had been absorbed. The sand was soggy but stable. The bulk of the massive stationary front had apparently stayed

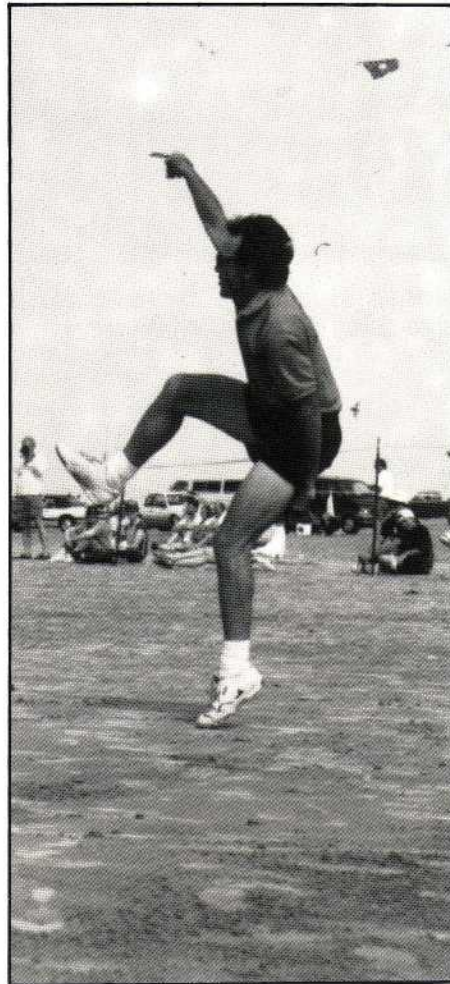


just north of Galveston Island. Flyers took to the fields for some early morning practice amid the remaining puddles while the field crews concluded their work. At 12:20 the competition officially got underway.

In an effort to catch up on some needed time, the Challenge organizers had decided to run both Experienced and Masters classes through both ends of their Individual competitions at the same time. The flyers would run their ballet routines followed directly by their precision figures. There were a number of standout performances in each class.

J.P. Morere was a handy winner in the Novice class, outdistancing Christopher Tarter by 2.27 points. Albert Almendarez finished another half-point back.

In the Intermediate Precision, Nicky Daugherty bested Keith Anderson and Ann Simmons by nearly 2 points. Heat action in the Experienced class precision shaped up initially as a battle between Abel Ortega and Jon Trennepohl, each of whom won their heats by better than a full point. In the event final, however, it was Jeff Radtre who snatched a .4 point win from Ortega with Michael Teague taking third. In the ballet portion, the same two heat winners (each by 7+ points) squared off again. This time, Ortega came out on top with Brian

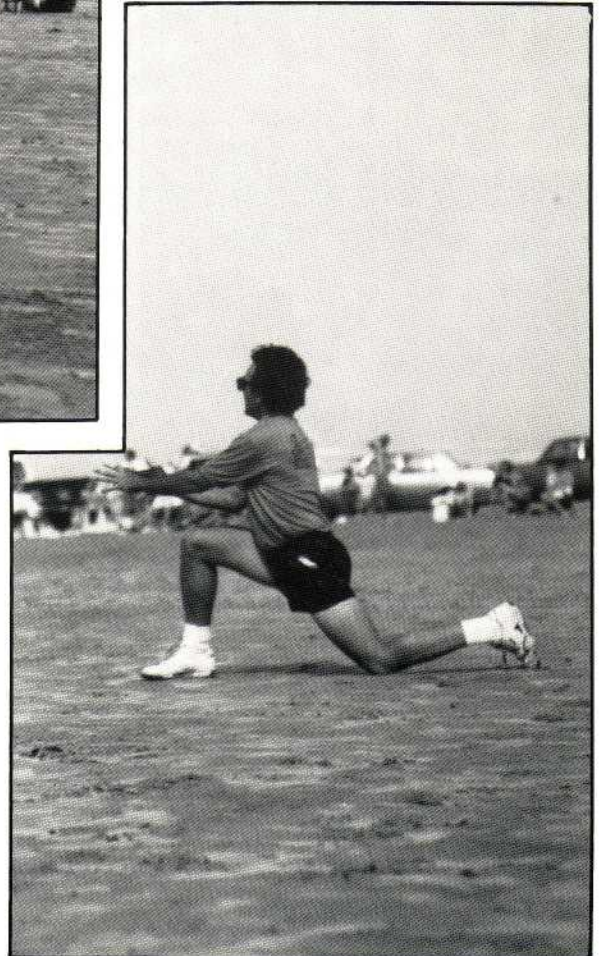


VINTAGE PHIL... Making his first stateside competition appearance in a couple of years, veteran flyer, Phil Castillo shows the style that helped make him a leader in the Innovative. Phil hails from St. Augustine, Florida.

TEXAS GULF COAST STUNT-KITE CHALLENGE



PHOTOS BY
CRIS & SUSAN BATDORFF



Mitchell and Frank Kenisky IV rounding out a Texan sweep of the event.

Masters class action was marked by Vince Bobrosky winning the precision event over Cris Batdorff and Alan Nagao. In the ballet portion, competition was fierce. Five of the six flyers advancing to the final round carded scores in excess of 92. In the finals, it was Scott Aughenbaugh adding to his trophy shelf with a .76 point victory over Bob Childs. Scott's routine was technically excellent and left more than just scant room for disaster. Flown to a mixture of movie music, the performance included a number of stopping and float maneuvers along with Scott's perennial off-the-nose launch. Dan Buxton, last year's winner, took the third slot.

Fog and darkness began to overtake the field late in the afternoon. Some competitors finished their fi-



Tsunami Precision...a credible 2nd place in the Ballet. Problems arose in the Precision resulting in a distant third.

organizer Crumpler's beard. Yup. 375 bucks mustered by fellow-Texans Bill Mladenka and Willie Steele, ex-Texan Mike Simmons, and honorary Texans Team Zephyrus proved to be more than Crumpler could counterbid to hold off the clip job. Off it came...on the spot...adding to the

better than \$3400 raised for the charity!

Sunday came up a winner...blue skies and good wind. Team High Performance won their Texas "braggin' rights" with a repeat of their Hawaii Challenge routine sweeping both the Masters precision



At right:

Team Bohica flew beautifully to a first place finish in the Experienced Ballet. They finished second in the Precision behind Team Storm.

At left:

Allan Guillen, of the High Performance Team, in the Individual Innovative. Two Rev 2's linked by a common top spar...eight lines - one flyer! Hot Stuff!



nals in near "grayout" conditions as the first day's activities ground to a halt.

Saturday evening's festivities began with the usual Texas feed. But the real good stuff was served up later at the auction to benefit the Challenge's beneficiary, the Make-a-Wish Foundation. Highlight of the whole affair had to be the auctioning of

and ballet events. With positive wins in the first two national contests of the year, they look like the team to beat for the number one slot...and that won't be an easy job! Their interpretation in the ballet was superb in both artistic and technical departments. High Performance was followed by Zephyrus and Tsunami in precision and the same two teams in reverse order in the ballet.

New for the Texas Challenge was competition in the newly-recognized pairs event. Tori-Tako II made a successful bid in the Experienced class over Team Dillo and Texas A&M. In the Masters class, Deja-Vu got by the Skyward Edge and the Windwalkers.

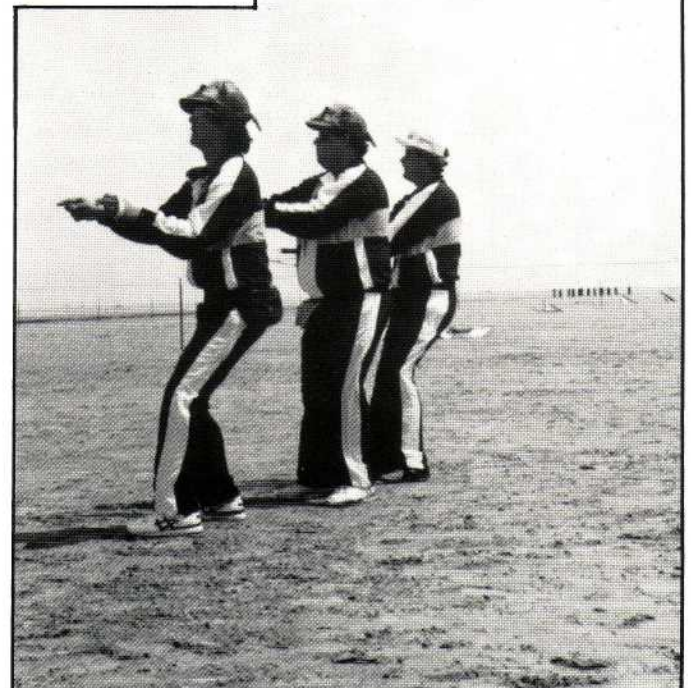


TEXAS TEAMIN'

Top slot in the Experienced team ballet went to the newly formed Team Storm who turned in an excellent program in fairly high winds. Bohica took second followed by Ground Control who recently added a third member to their squad. Experienced team precision was taken by Bohica over Ground Control by nearly 10 points with Team Storm rounding out the field.

Every year, the Texas Gulf Coast Challenge offers "something different" for the flyers, or so it would seem...super winds, some rain, fog. An inconvenience? Sure. But nothing that isn't overcome in grand style by heaping doses of Texas hospitality. We're already looking forward to next year!

The Texas Teams! From the top: Ground Control, Team Storm, Team Dillo. In all, they took seven of the nine spots available in the Experienced events. Storm captain, Abel Ortega (center photo, at left) also swept both ends of the Experienced Individual competitions.



Mid-Atlantic Stunt Kite Championships '91...

(and a *chilly* time was had by all!)

by John MacLauchlan

Arriving the Thursday before the running of the 1991 Mid-Atlantic Stunt Kite Championships (MASKC) held in Ocean City, Maryland, the stories of last year's cold, inclement weather came back to me. However, Thursday afternoon was cloudless and sunny with temperatures in the upper 50's. Maybe this year, Billy Jones and his KiteLoft crew were going to get lucky. There was no hint that everything was about to change.

The following day was a mix of sun and clouds, and the relatively light westerly breeze that we had flown in the day before had picked up considerably. It was whippin'! We now had that sort of wind where a well-rehearsed four-and-a-half minute ballet routine could be knocked off in two minutes if you weren't careful.

As the flyers checked into town, the news from the weather channel wasn't exactly encouraging...rain was expected both Saturday and Sunday, with temperatures expected to hover in the low 40's (!). But hey...we're kite flyers and Mother Nature's fickleness is something we've almost come to expect at competitions. Conversations at the local "watering hole", the Purple Moose, predicted a wild...if not wet, weekend.

Saturday, accordingly, lived up to expectations...wet. A light drizzly rain fell for most of the day with winds that never crept above the 7 mile an hour mark (at times, without warning, it pooped out altogether). As the judges donned whatever rain gear they could scrounge, the competitions began.

In Novice precision, the first event of the day, Gary Sweely won top honors, followed by Brian Linzey and Paul Esposito. Meanwhile, on field two, Pete DiGiacomo finished in the number one spot in Experienced individual ballet followed by Ray Millikien and Chicago Fire's Dave Malloy.

A quick infusion of hot chocolate for the judges, which may have saved some lives in that bone chilling wet cold, and it was time for a little "team work". The Experienced team ballet, which was placed on



M.A.S.C.K.E-TEERS? Nope. Just the revelmakers at this years Mid-Atlantic Stunt Kite Championships! Grand Honors went to Frank Loudenslager and his lovely wife, Dorothy.

hold several times due to wind lulls and rain, saw the Miami-based team Looking Skyward taking first place honors. The Liberty Flyers nabbed second with Windswept finishing third. On field two, in marginal wind, Team Trilogy notched the win in Experienced team precision ahead of the Screaming Klig-ons and the E.C.U. Corsairs. The infamous Black Sheep Squadron was bested by the Chicago Fire in Masters team precision in an event which saw a strange occurrence...one which repeated for most of Saturday. As the Fire prepared to fly, the wind, which had been light but steady, died. Not dropped...died. Kaput, Finito. The judges used the opportunity for yet another hot chocolate break. Eventually, the wind came up and allowed the Fire to do their number for the win. It stayed up long enough for team Revolution to fly in Open team quad precision. Next up in the quad event, the Chicago Fire again and, you guessed it, no wind.

After a half hour or so, Fire team captain Eric Wolff accepted the judges' offer to finish the event on the following day. Concurrently, on field one, the Masters individual ballet had also been put on hold with

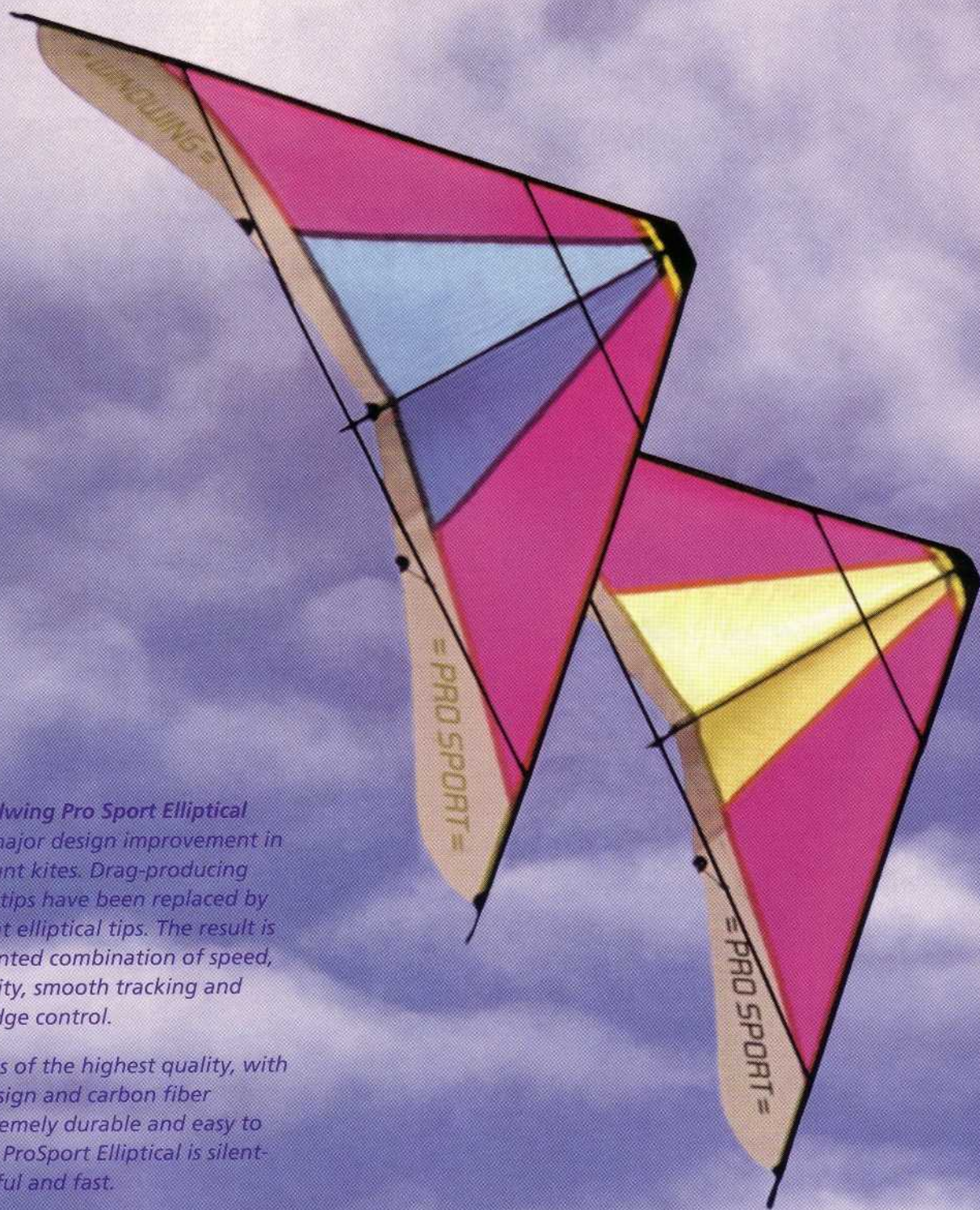
only three flyers left to compete. One of the three, Miami's Mike Simmons opted to go for it in zero wind. As the last flyer of the day, Mike had to run a lot of 360's just to keep things going, even though he was on only 30' lines.

Saturday night's activities were highlighted by one of the better meals thus far on the circuit. Competition didn't end once the competitors left the field, either. In the annual MASKC "mask competition," it was Frank Loudenslager and his lovely "better half", Dorothy who walked away with the honors.

Sunday's weather turned the tables yet another time. The rain had stopped and the wind had picked up...abunch! Flyers gathered around nine o'clock (most huddled next to the side of a building) to begin the day's activities in winds that were being clocked in the mid-to-upper 20's with gusts into the low 30's. For safety reasons, all events were postponed for a few hours in hopes of it laying down a bit. Most of the flyers adjourned to a local restaurant. Most, but not all.

A few hardy souls stayed on the beach to watch Anthony Crisafulli demonstrate sandskiing using a stack

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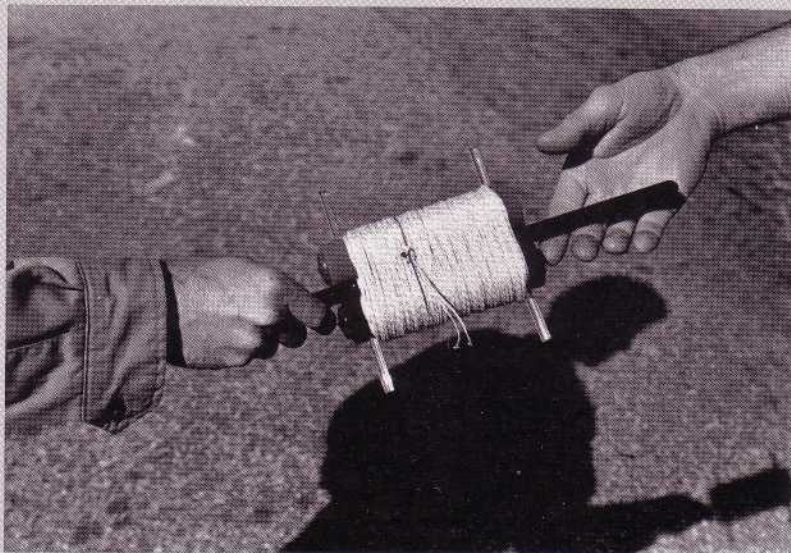
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of 10 TOL Hawaiians...and having the time of his life! A little after 11 o'clock, Billy Jones got things back on track and the day's events got underway.

It was interesting to see how flyers dealt with the higher than normal winds, which had slowed only a bit to the low 20's. In attempts to slow the kites, some added weight or extra spars. Others used tails or heavier lines to gain more resistance. Most however, just dug in and dealt with it. In the Intermediate class, Chris Belli, Ben Gomez, and Daryl White were at the head of the class for the ballet event. Laurie Agnew, Steve Peple, and Carlos Ramirez topped off the precision.

Experienced precision saw John Tavolacci, Charles Stonestreet, and Robert "Bonzai" Bono leading the pack. Moving to Masters, it was Eric Wolff for the ballet win followed by Billy Jones and Dan Buxton. Wolff also pulled off a second place precision finish behind Mike Jones and his Mirages. Billy Jones finished in the third slot. One of the more interesting routines of the afternoon was flown by Mirage flyer Chris Schultz. His routine, flown to Cab Calloway's "Minnie the Moocher" got high marks from the crowd but didn't fare so well in the judges' eyes...he finished 5th.

As quad line events got underway, the Chicago Fire, who were windlulled the day before, opted not to fly in the heavy winds. Bob Hanson did, in the Individual contests, and notched a first in precision and a second in ballet. Eric Wolff, wishing the wind curse would work just a little, nabbed a first in the ballet section.

The final two events of the weekend, Masters team ballet and Open individual innovative saw possibly the toughest and closest competition of the entire weekend. Chicago Fire squeaked by the Skyward Edge by three-quarters of a point to win the team competition and John MacLauchlan of the Skyward Edge got by Billy Jones for the win in the innovative flying a quad-lined NBK/solo routine. As the weekends' contests came to a close, the banners came down, and the gear packed up for the last time, everyone felt a sense of exhilaration and relief. They had weathered MASKC '91. It was a great time and we'll be back next year!



By Cris Batdorff

April 20-21, San Diego...the California Open. Round three on the stunt kite competitors' "dance card" was about to begin. Again, beautiful weather just before the scheduled weekend was forecast to turn windy, rainy, and gray just in time to KO the third running of this now-established national. Again, it didn't materialize.

"Ron (Romero) must sell his soul to the devil each year," said one competitor of the event's organizer. "Last year it looked bad...this year,

worse, but see...blue skies, great wind, I don't understand how he does it!"

"Seems like there's another big sponsor up there who didn't get on the shirt!" was the reaction of another. Quite true. The fabled front ran just north of the Fiesta Island venue and the California Open sailed on under blue skies. Well, almost.

With Mother Nature safely in tow, the only other variable turned out to be Murphy's Law. In this case, the infamous Mister M. showed as a glitch

in the computer scoring system. Not that it dampened the enthusiasm of the flyers...they were there for a weekend of fun and competition.

Prime sponsorship for this year's extravaganza was Spectra Sport Kites with major support also coming from the Dana Inn and Marina (the event hotel) and two Japanese firms, Flying Colors and Woodland. Production was again handled by ROME-AERO.

Fresh from their sweep of the Texas Challenge, the High Performance Team had flown in from the Hawaii to press home the point that they will be the team to beat in this year's national point standings. They would not be disappointed. They flew to a handy point-and-a-half victory in the ballet and came out on the losing end of an AKA tiebreaker to pick up a third-place finish in the precision.

In a heavy weekend of Master's class team competition, the Open also gave spectators their first look at the Top of the Line squad, who are flying an abbreviated schedule this year. Taking the precision event, TOL showed the form that has given them the perennial number 1 rank. Their ballet routine, however, was uncharacteristically light. Flying to music from Peter Pan, the team seemed to lack the immensity and scope of their prior programs. A third place finish was in the offing.

All alone in the second spot in both of the Masters team events was Prevailing Winds. Forced by illness to forego the Texas Challenge, the team now looked ready to join the hunt for the title. Their spacing was good and their "burst" maneuvers, second to none.

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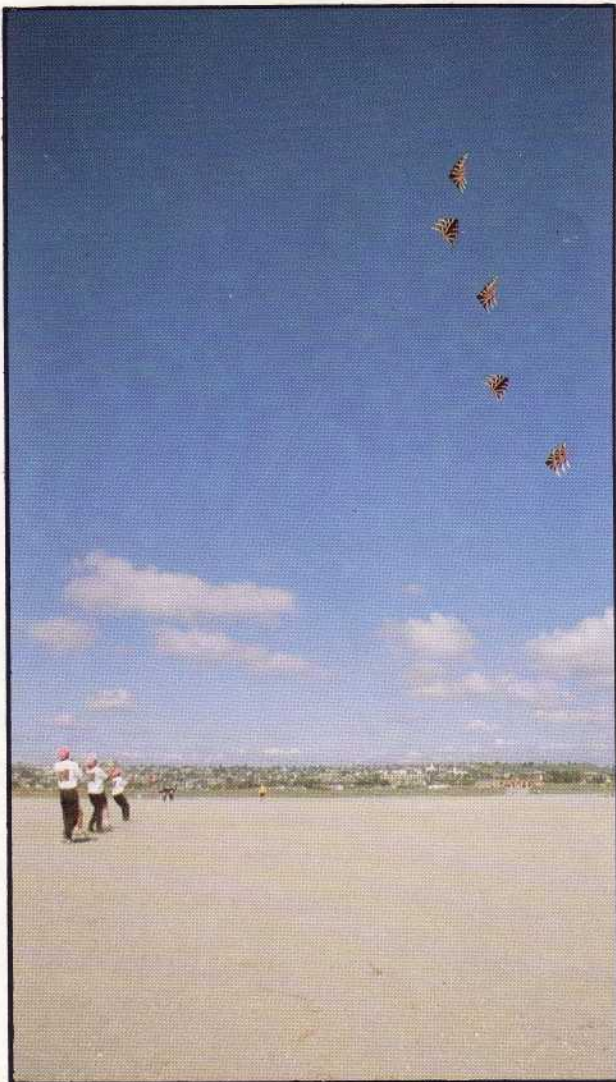




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PHOTOS BY CRIS AND SUSAN BATDORFF

Fiesta Island was subject to fireworks in other divisions, as well. Bob Crawford outflow a 44-person field in the Experienced Individual precision with an excellent 95.9 score**

Ron Thorpe bested a field of 38 in the Experienced ballet by a handy 4.8 point margin. Second place, however, had to be decided by a tiebreaker. Erik Erickson came out the eventual winner over Jon Trennepohl.

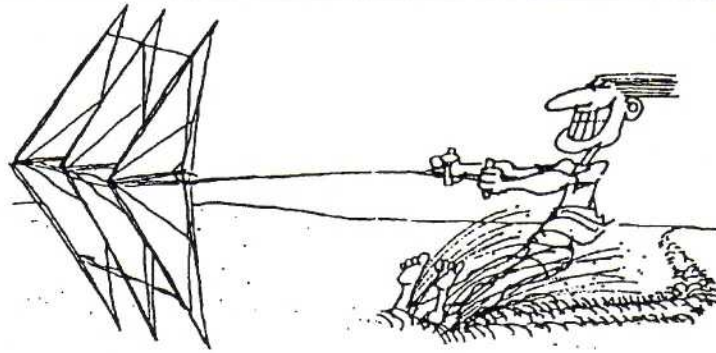
Entry numbers in the masters individual events were a bit smaller. In a 22-person precision field, it was Alan Nagao taking the top slot followed by Ron Reich and teammate Scott Aughenbaugh. The margin between the top three scores?...six tenths of a point!

There were 23 competitors vying in the masters ballet and, true to form, the lists was topped off by Scott Aughenbaugh. Scott flew to an easy 5-point victory over Kathi Larrabee-Ramirez. Miguel Rodriguez finished in third.

In Experienced team action, three teams dominated the weekend's contest. The precision event went in order to Ramjet, Woodwinds, and Bohica. Ballet saw the order altered to Bohica, Woodwinds, and Ramjet.

Pairs ballet, a new event for the California Open had the Paragon team getting past team Primary for the win. The Masters portion of the event saw Deja Vu picking up their second national win over Tori Tako and What's Up.

The California Open also gave spectators a chance to view still another new competitive entry, Team Train Ballet. What a spectacle! The Hyperkite-Elite team took an easy win here flying custom 12-stacks of Hypers. The Bay Area Sundowners, with similar stacks took second. Top of the Line, flying with fifth team member Mike Dennis finished third flying three-stacks of matching North Shore Radicals. The lines and kites stayed on the field only to be picked



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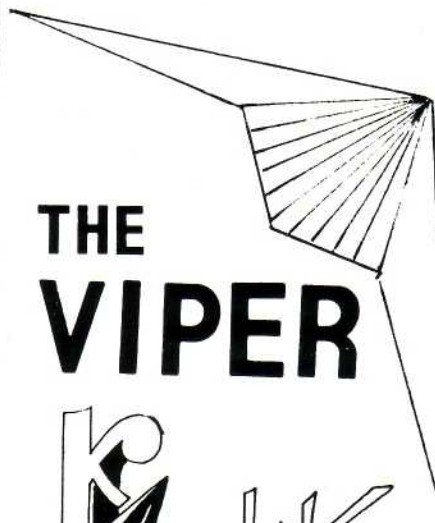
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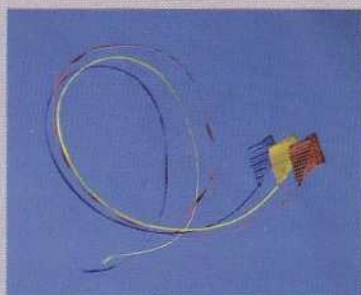
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up by the members of the High Performance team who flew them to a forth place finish. A number of teams flew repeats of their team ballet routines but the crowd didn't seem to mind one bit. This event was a real hit!

In the quad-line ballet, a 14-man field was headed by Scott Aughenbaugh with Ron Despajado and Erik Erickson rounding out the top three. There was also a special mega team demonstration with Revs done by Revolution Kites, High Performance and the Flying Colors. Eleven kites in ballet, what a sight, although we also saw some unscheduled ground maneuvering!

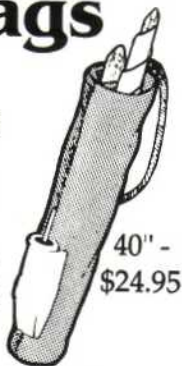
The California Open continues to draw an increasing number of both fliers and spectators. The current plan for 1992 will be to host a three day event. We will see you there.

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Sweep in Masters Team...

Roaring Flamingos Rule at 3rd Great Lakes

The 3rd running of the Great Lakes Stunt Kite Championships provided the fourth stop on this year's national circuit. Hosted annually by the Grand Haven-based Mackinaw Kite Company, this Lake Michigan beach venue was the site for better than 85 individual competitors and 16 teams all seeking qualification berths at the AKA Nationals in Jacksonville, Florida later this year.

The GLSKC has always had a good draw of competitors from the midwest but this year, with the application of stricter rules for entrance to the Grand Nationals, the field was even more diverse. Individuals and teams from as far away as the Pacific Northwest, California, and Texas were in attendance. Team Ninja came all the way from Japan to try their skill on Michigan's sandy beaches.

Conspicuously absent from the proceedings were the members of the worldbeating High Performance Team from Hawaii. Right from the beginning, it began to shape up as a shootout between other Masters class teams in the hunt. The Chicago Fire and the locally-favored Roaring Flamingos had chosen the GLSKC to make their first "national" appearances of the year. The Prevailing Winds, coming off second place finishes in Hawaii and California, were looking to even the score. Zephyrus had begun well in Texas, finishing second and third, but had been disappointed with two fifth-place rankings in California. Ninja was the unknown quantity. This was going to be some weekend!

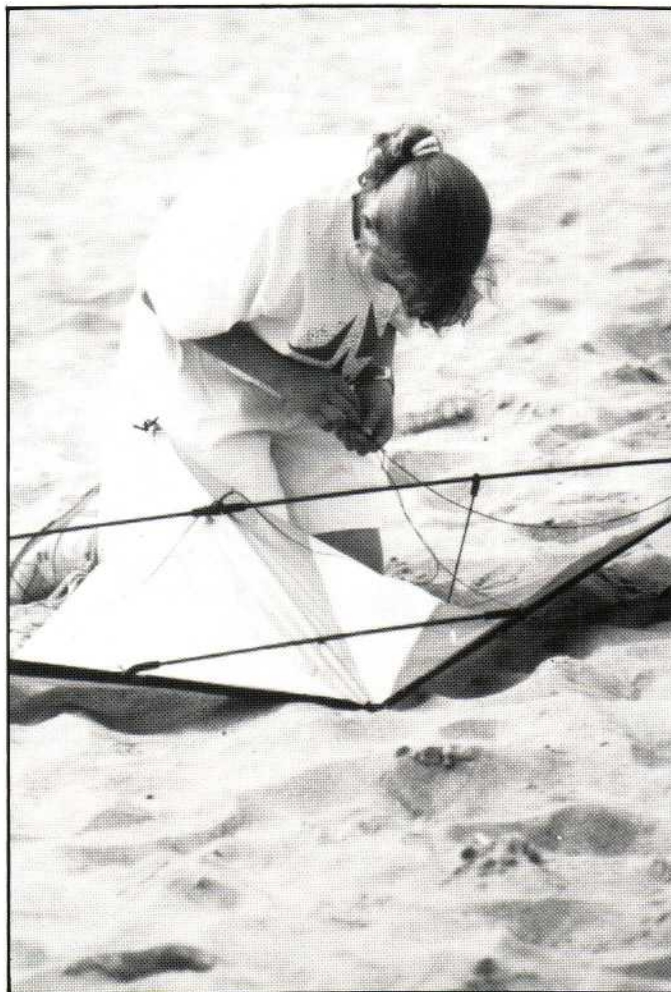
Much the same sort of occurrence was taking place in the individual events. It's always been fun to try and "handicap" the events before they start and match the results. It helps the time pass until the flying starts and the tension comes into full bloom. Standing on the porch of the Kardomah Lodge, dubbed as official headquarters, we were surprised to see one of our old friends, Miguel Rodriguez, coming through the door.

We'd just talked with him two weeks before at the California Open and he'd given us no indication that he might be coming to our home state. It looked like we were going to have to revise our estimates!

Meanwhile, down on the beach, the field crews were hurriedly trying to get the four competition sites into flyable condition. The snow fences had come down late and the wide expanses of sand had been piled against them over the winter. There were Herculean sized ruts...some a couple of feet high! Backing up in low wind was an exercise in agility as well as finesse. Work went on well into the evening and several hours, and one Jeep differential later, things were ready for Saturday's opening.

Those folks who were in attendance at last year's running of the GLSKC had remembered to bring their woolies and rain gear only to find that they weren't going to be needed. Michigan's typical "Don't like the weather...wait five minutes..." climate had done it again. Beautiful, near cloudless skies and light but flyable breezes greeted the contestants. With a field of judges headed by veteran Robbie "Juan Valdez" Sugarman, and the computer scoring system of Richard "the mushroom" Peck, things were ready to roll nearly on schedule.

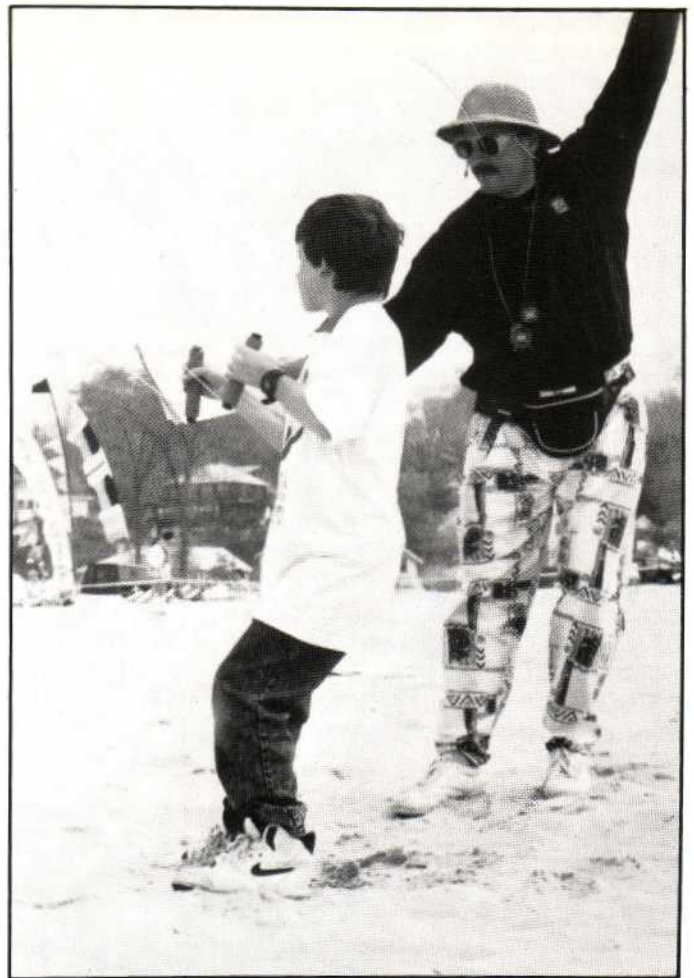
And things did start with a bang! One of the nifty things about the GLSKC is that they still find time to run a healthy portion of Juniors. This year's



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Sliceman had to settle for second ahead of third-place running Pete DiGiacomo.

Masters individual events began with the running of the ballet. Miguel Rodriguez, flying his own creation, the California WASP, took a brilliant win. Starting with the kite in a nose-down attitude, Miguel rocked in back and forth in time to his musical selection before bringing it to an upright position for the takeoff. In the air, he was able to stall the kite at will and hold it stationary for nearly indeterminate amounts of time. Finishing second was Vince Bobrosky flying to new music from "Those Magnificent Men and their Flying Machines". A gorgeous routine! Eric Wolff took third flying a Flexifoil to a selection from "Cabaret" ...another standout!

The grace under pressure award? This one had to go to Terry Crumpler, the last place finisher in the event. Seems that the beaches in Texas are a good deal harder than the soft, sandy stuff in Michigan. As Terry began backing up in severely falling wind, down he went. Then up. Then down. Then up again. Then down

event saw nine entered and a race to the wire for first as well. Matt Cooper emerged the victor by a one-point margin over Katie Greller with Chris Weiden holding down third.

Two fields away, a group of 20 Novice fliers were deep into it also. Phil Cooper slipped by Jim Cowling and Brian Bjaeske for the top slot. Moving to Intermediate action, Sam Ritter took a 4.4 point win over Craig Spence and George North in the precision and completed the class sweep by topping Charlie Swain and Dennis Martin in the ballet.

Experienced-class individual precision was the largest field of the weekend, with 26 flyers. Heat winners Brian Vanderslice and Jeff Radtke looked like the ones to beat in the finals. In the end, however, it was the "Sliceman" coming out the winner in a .6 point duel with Jon Trennepohl. Nancy Lizza rounded out the final three. In ballet action, the "Sliceman" nearly did it again as he flew his Phantom to an easy heat victory. Enter, Nancy Lizza. She blew everyone away in the finals for an incredible 7+ point victory. The

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for the third and final time! We spoke to Terry just after his initial experience with the Michigan "quicksand". He was convulsed in laughter: "Gee, Toto, I guess we're not in Kansas, anymore!"

The scene had already been set for one of the first big confrontations of the weekend...the Masters team ballet. When the dust had cleared, it was the locally favored Roaring Flamingos clinching the top spot. Flying custom TOL Hawaiians to music from "Annie", the team's routine was a lighthearted and entertaining. The Prevailing Winds, with Ron Romero flying in place of Keith Landes, flew their Spectra Star Slingshots into second place. Finishing third was the Chicago Fire at the controls of (what else?) Chicago Fire Bees. Ninja and Zephyrus rounded out the field.

Trophies for the first place finishers in the Masters class were hand-crafted, glass-domed dragons that

had been made by Flamingo's team member Rod Tanis. The team had already garnered one and the weekend wasn't half over!

Saturday evening had competition flyers all over the city of Grand Haven. It seemed like wherever you went, there they were, in knots of two or three, probably hoping that the great weather would last for "just one more day."

It was, however, not to be. Sunday morning greeted the contestants with fog and diminished winds forcing events to be delayed according to wind rules. Nevertheless, things managed to proceed in orderly, if slow fashion.

In the Pairs event, Open-classed at the GLSKC, it was the SKQ-sponsored team Deja Vu filling the top slot for their third national win. In second, by only .7 of a point, was the Skyburner team with What's Up II following in third.

A 13-person field vied for top honors in the Masters individual precision. After a hotly contested hour or two, Sue Taft wound up with a slim .3 point victory over Susan Batdorff. Dan Buxton rounded out the top three.

Open individual innovative competition marked the re-emergence of perennial favorite, Lee Sedgwick. Ever the innovative master, Lee's form reminded us of a couple of years back. Flying a short-lined Rev 2, Lee's routine included catches, throws, and spins. He also did a number with two new kites from Kite Innovations, the Quadrafoils. There were two in the routine, one of which might be called a standard size...the other a behemoth! The finish had Lee completely covered by the huge kite. Jim Poy, who had traveled from Toronto for the event, finished second with his attempt to simultaneously fly three kites. Lou Baldus, landed in third following a simultaneous two-kite stint.

Enter the combatants in stage two of the Masters team events, the precision. Often characterized as the most prestigious of the team events, the competition promised to be fierce...and was...but the Roaring Flamingos would not be denied. They swept both of the Team events with a .3 point push over the Chicago Fire. Prevailing Winds finished third only .4 point further back.

The Roaring Flamingos weren't the only team to sweep the weekend, though. In the Experienced class, it was the visiting Team Ramjet for the sweep, followed by Perfect Chaos, and Winging It...both times! Ramjet's victory in the precision side was by a convincing 10.3 points!



Lee Sedgwick in the Individual Innovative...the master returns. Above, with Kite Innovations new Quadrafoil. At right: the famous "Air Sedgwick" sneaker...sand gets in...sand falls out!



EASTERN LEAGUE

We are happy to announce the following scores are the current (up to Summer Games) standings for the Eastern League. The Eastern League was originally conceived to "develop the grass roots of the sport" according to Roger Chewing.

The Eastern League keeps records on all events, with the exception of Novice class, where only the winner is recorded. When the final league standings are determined, the Intermediate and Experienced pilots who finish in the top three places will be required to move up in class. Experienced class teams finishing first in league standings will also be required to advance to Master's class.

Individual flyers are ranked through ten places, teams through five places.

The events currently included are MID-ATLANTIC S.K.C., SUMMER GAMES, NEW YORK S.K.C., BOSTON AREA S.K.C., OUTER BANKS S.K.C., and SOUTHEAST S.K.C.. For further information on these events or for information on forming a league contact SKY FESTIVALS at 215-736-8253.

POINTS ASSESSED

1st place.....25	6th place.....8
2nd place...20	7th place.....6
3rd place.....15	8th place.....4
4th place.....12	9th place.....2
5th place.....10	10th place.....1

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2.	Steve Peple	67
3.	Michael Moore	31
4.	Carlos Ramirez	27
5.	Warren Saunders	26
6.	Doug Stout	25
6.	Henry Dimmick	25
8.	Joey Herring	20
8.	Stacey Carmichael	20
8.	Mike Benedict	20
11.	Heather Morrow	19
12.	Chris Belli	18
13.	John Smith	15
14.	Phil Madren	12
14.	Dave Arnold	12
14.	Keith Anderson	12

INDIVIDUAL BALLET - INTERMEDIATE

1.	Chris Belli	80
2.	Michael Moore	54
3.	Steve Peple	47
4.	Ben Gomez	40
5.	Carlos Ramirez	28
6.	Rene Tremblay	25
6.	Heather Morrow	25
6.	Kim Sterling	25
9.	Robert Sterling	20
10.	Daryl White	19
11.	Keith Anderson	16
11.	Paul Phillips	16
13.	Lori Agnew	12
13.	Aldo Ramirez	12
15.	Stacey Carmichael	11

INDIVIDUAL PRECISION - EXPERIENCED

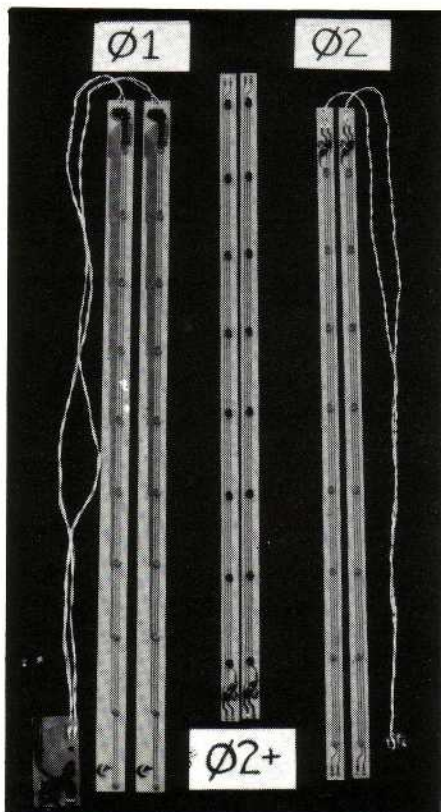
1.	John Tavalacci	45
2.	Jim Younce	37
3.	Robert Bono	35
4.	Quinn Rickman	29
5.	Ray Milliken	28
5.	Charles Stonestreet	28
5.	Benji Brazell	28
8.	Pete DiGiacomo	27
9.	Abel Ortega	25
9.	Steve Huff	25
11.	Jim Wirt	20
11.	Marc Conklin	20
13.	Tom Allen	15
13.	Marc Ricketts	15
13.	Ted Dougherty	15

INDIVIDUAL BALLET - EXPERIENCED

1.	Pete DiGiacomo	41
2.	Robert Bono	39
3.	Quinn Rickman	33
4.	Dave Malloy	30
5.	Jim Younce	27
6.	Marc Ricketts	25
6.	Lorna Buxton	25
6.	Abel Ortega	25
9.	Ben Futrell	24
10.	Dave Arnold	22
11.	Ray Milliken	21
12.	Charles Stonestreet	20
12.	Donna Mills	20
12.	Ted Dougherty	20
15.	Calvin Mills	16

TEAM PRECISION - EXPERIENCED

1.	East. Carolina Univ. Corsairs	55
2.	Trilogy (Liberty Flyers)	50
3.	Big City Kite	25



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3.	Bohica	25
5.	Screaming Klig-ons	20
5.	Perfect Chaos	20
5.	Jordan Air Force	20
8.	Square Air Dancers	15
9.	Behind the Lines	12

TEAM BALLET - EXPERIENCED

1.	Windswept	80
2.	Trilogy (Liberty Flyers)	60
3.	Looking Skyward	50
4.	Breezin'	32
5.	Duo Drones	25
5.	Big City Kite	25
7.	Kapitol Air Korps	22
8.	Bohica	20
9.	DC Flyers	15
9.	Impromptu 3	15

INDIVIDUAL PRECISION - MASTERS

1.	Bob Hanson	90
2.	Susan Batdorff	45
3.	Mike Jones	39
4.	Chris Schulz	35
5.	Bill Edison	30
6.	Cris Batdorff	25
7.	John MacLauchlan	24
8.	George Baskette	20
8.	Ron Reich	20
8.	Eric Wolff	20
11.	Dan Buxton	18
12.	Vern Balodis	15
13.	Mike Simmons	13
14.	Ruth Bradley	12
14.	Vince Bobrosky	12

INDIVIDUAL BALLET - MASTERS

1.	Mike Jones	43
2.	Bob Hanson	37
3.	Billy Jones	35
4.	Cris Batdorff	32
5.	Roger Chewning	30
6.	Susan Batdorff	27
6.	Dan Buxton	27
8.	Mike Simmons	25
8.	Eric Wolff	25
8.	Scott Aughenbaugh	25
11.	John MacLauchlan	23
12.	George Baskette	20
12.	Vince Bobrosky	20
14.	Dave Barresi	19
14.	Suzanne Edison	19

TEAM PRECISION - MASTERS

1.	Black Sheep Squadron	65
2.	Chicago Fire	35
3.	High Performance	25
3.	High Flyers	25
3.	What's Up	25
6.	Top of the Line	20
7.	Roaring Flamings	15
7.	High Fly 3	15
9.	Prevailing Winds	12

TEAM BALLET - MASTERS

1.	Skyward Edge	75
2.	Edison F&P	52
3.	Deja Vu	35
4.	Chicago Fire	25
4.	What's Up	25
4.	Prevailing Winds	25
7.	High Performance	20
7.	Sky Ratz	20
7.	Hurricane Squad.	20
10.	High Flyers	15

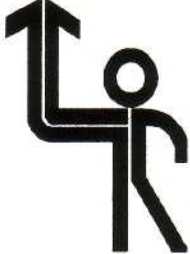
INDIVIDUAL INNOVATIVE - OPEN

1.	John MacLauchlan	60
2.	Bill Baker	52
3.	Billy Jones	48

CONT. ON PAGE 38

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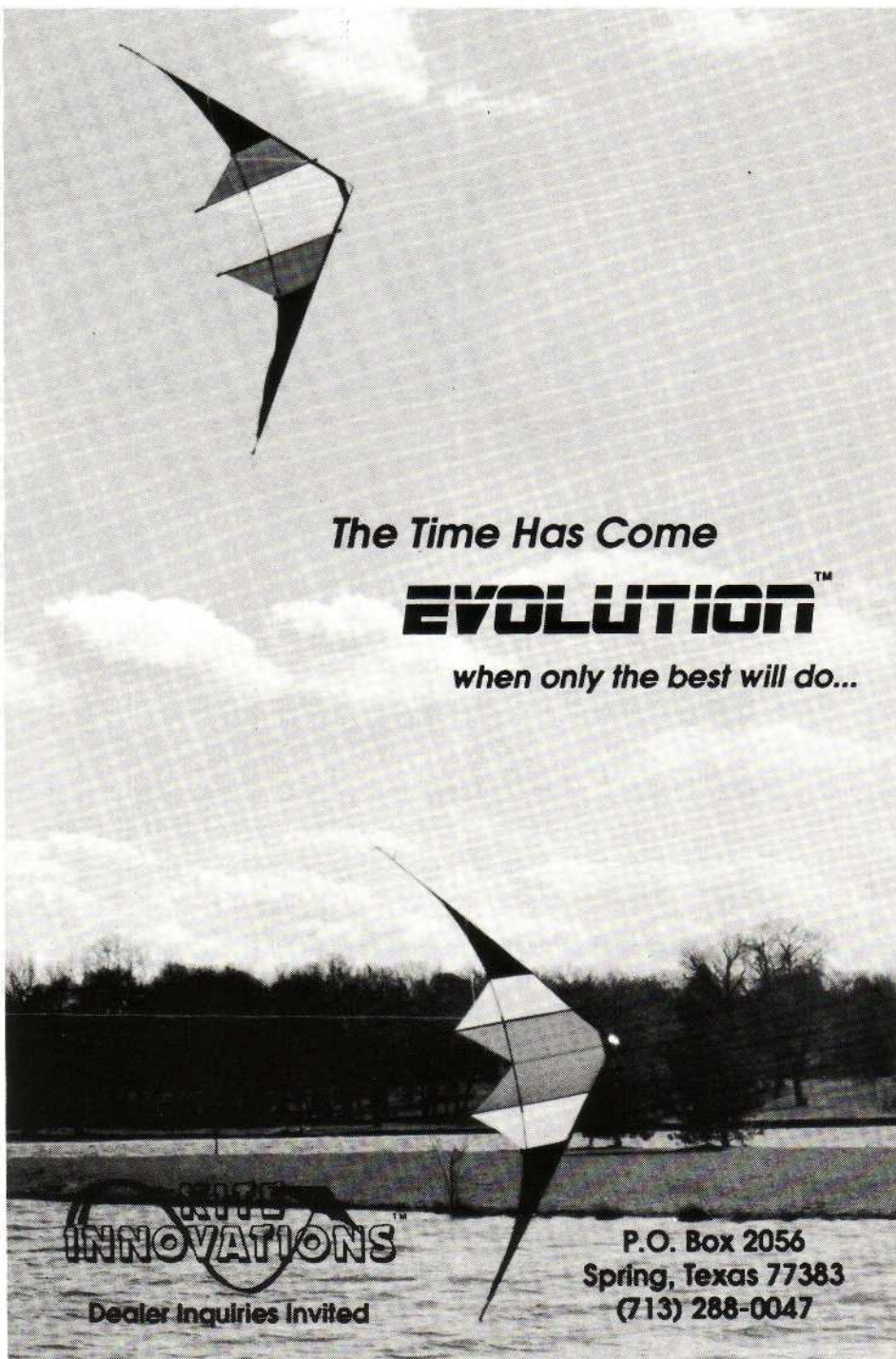


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EASTERN STANDINGS CONT.

4.	Bob Hanson	35
5.	Dave Simpson	25
5.	Lee Sedgwick	25
6.	Calvin Mills	24
7.	Bert Sumida	20
8.	Carlos Ramirez	15
8.	Scott Aughenbaugh	15
8.	Reid Leonard	15
11.	Bill Beneker	12
11.	Alan Nagao	12
13.	Randy Halton	10
14.	Pete Dolphin	6

INDIVIDUAL QUADLINE - OPEN

1.	Bob Hanson	10
2.	Thom Powers	48
3.	Alan Nagao	25
4.	Dan Buxton	20
4.	Dennis Kucmerowski	20
4.	Calvin Mills	20
4.	David Hadzicki	20
4.	Allan Gullen	20
9.	Dave Arnold	15
9.	Scott Aughenbaugh	15
9.	Bill Bremer	15
12.	Charles Stonestreet	12
12.	Bill Edison	12
12.	Joe Hadzicki	12
12.	Bert Sumida	12
12.	Pete DiGiacomo	12
17.	Woody DelCorso	10
17.	Billy Jones	10
17.	Jim Hadzicki	10

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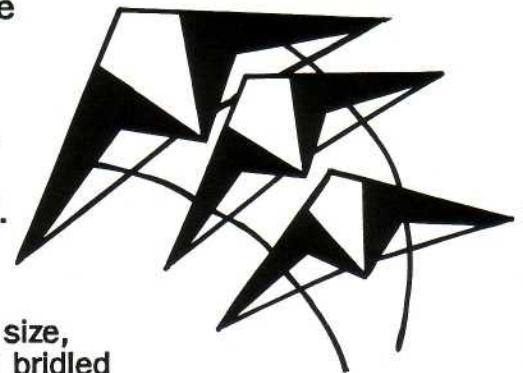
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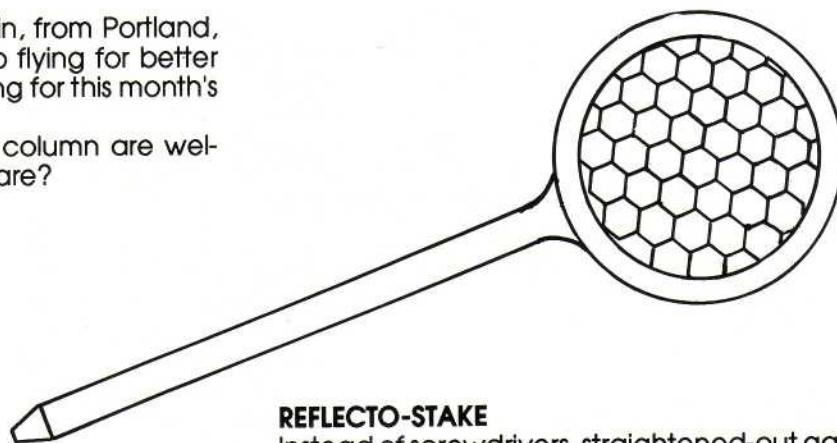
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TIPS... and TECHNICAL STUFF!

This month's tips come to us, again, from Portland, Oregon's Don Lary. Don's been into flying for better than ten years and offers the following for this month's "field trip".

Don't forget, reader's tips for this column are welcome. Got one that you'd like to share?

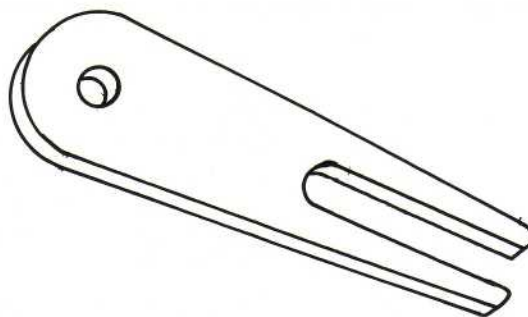


REFLECTO-STAKE

Instead of screwdrivers, straightened-out garden tools, and the like to hold your handles while you set up those dual/quad lines...visit your garden store and get new fiberglass reflectors! Highly visible, you can readily pick them out at night flies with "sweeps" of a flashlight. A little modification to length and a dull point are all that is required. Source: Don Anderson, Portland, OR.

UNDER A DOLLAR GREEN REPAIR TOOL

This inexpensive unit is found at golf pro shops around the country. Its many uses include pushing the vinyl tubes off the ends of spars and a mini-ground stake (to hold down line ends at the handles). Source: Mike Sterling: Cyborg Kites.



BELL THAT SLEEVING

We all melt the sleeving to keep it from unraveling, but try inserting an old nail-set into the sleeving before applying the heat. This makes an easy-to-sleeve, bell-shaped end. (A pencil will work for this, too.) Source: Windtoys, Portland, OR.

AKA UPDATE



BY: DAVID GOMBERG AND MIKE CARROLL

The American Kitefliers Association is currently working on a number of projects or issues that should be of interest to multi-line fliers. Competitors will want to know about the flier "prequalifying" process being used for the Grand National Competition at our annual convention. Other important matters include insurance and safety, rule changes, judging, and a stunt kite circuit.

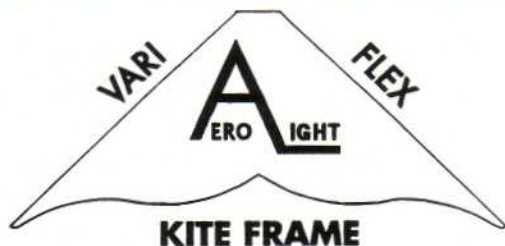
Convention Pre-qualification Like many other events around the country, the AKA is being challenged by our own success. More and more multi-line competitors are signing up each year, and we are finding that our ability to accommodate everyone and complete all events is increasingly difficult in a limited amount of time. This is a

particular problem at the convention where we need to be sensitive to other activities including single-line or "comprehensive" competitions, or, educational programs, business meetings, and most important, simple fun flying.

Rather than risk dominating the convention with a large stunt kite contest, the AKA began last year to limit the competitions by requiring contestants to earn a place in convention competition.

This year, a new qualifying formula has been developed by the AKA dual-line committee. The process requires that fliers compete in an organized event based on the AKA rules. Essentially, the formula has two elements.

If there are six or less entrants in a particular event category, one individual or team qualifies for every two entrants. One additional qualification "slot" is added for every three new entrants. This means that, if there are six contestants in Experienced Individual Precision, the top three qualify for the convention. If 19 teams enter Experienced Individual Precision, the top seven qualify. Individuals and teams may only compete in categories where they have pre-qualified. In other words, if you qualify only in Experienced Individual Precision, you are limited to that event at the convention. The pre-qualification process is a new concept that is still being developed and improved. Part of our goal is to recognize fliers in both large and small events. Ultimately,



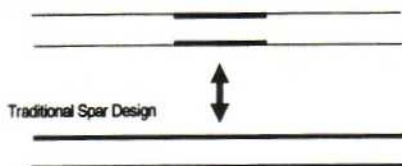
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AKA UPDATE CONT.

It's our desire to limit the Grand National Competition to a manageable size, while providing opportunities for all qualified contestants.

If you have ideas, comments, or questions about convention qualification, please call a member of the committee.

INSURANCE All of us should be concerned about flying safety, courtesy, and unfortunately, with insurance as well.

The AKA Safety and Ethics Committee, chaired by Kevin Shannon, is currently researching the possibility of expanding insurance coverage for our members. Currently, AKA members receive general liability coverage for damage they may do to property or other people only while flying at a sanctioned event. We are looking at expanding liability coverage to include any time you are flying - whether it be at an organized event or alone and just for fun. Other options include theft coverage and even compensation for damage to your equipment resulting from an accident.

Expanded insurance coverage will offer tremendous benefits to AKA members if we can negotiate reasonable premiums. We'll try and keep you posted on new developments.

RULE CHANGES The AKA Dual Line Committee administers the AKA Dual Line Rule Book and considers possible rule changes each year. In the future, rule changes will only be implemented immediately after the annual convention rather than at any other time in the competition season.

In 1991, several minor changes in the rules were announced. A "Master's Class" was announced to replace what was earlier known as "Open Class". Open Class is a term now used for events where anyone, regardless of experience can compete. AKA also recognized an Intermediate Class in order to encourage new and developing fliers.

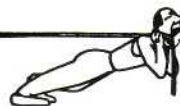
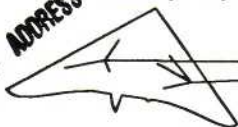
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"Teams" of three or more in the 1991 rules. The committee felt it was important to distinguish between these two groups because of the variety and difficulty of maneuvers available to each.

No major changes in the 1991-92 rule book are anticipated. However, portions of the book may be re-drafted to add clarity. Look for the new edition of the Dual-Line Rule Book this Fall.

JUDGING AKA encourages quality and consistency of judging at multi-line events. As part of the effort to train and certify judges, we have created a judging subcommittee, chaired by Robbi Sugarman. The committee is planning to develop a training program and publish a Judge's Handbook in early 1992.

A STUNT KITE CIRCUIT AKA is also reviewing proposals to create or affiliate with an organized stunt kite competition circuit.

While some of the circuits currently in place use the AKA rules and even assign points for participation in the Grand Nationals, the AKA does not formally or manage these circuits. We may choose to remain apart from any organized circuit, or may, in the future, create our own. A final option is to officially recognize one of the ranking systems currently in place.

Obviously, the AKA is involved with a number of issues affecting multi-line fliers. We are equally involved with similar issues on behalf of the single-line or "static" fliers.

For more information on the American Kitefliers Association, call 1-800-AKA-2550. Membership is \$15 per year.

Current members of the AKA Dual Line Committee are Corky Chewing, Bob Childs, Eric Forsberg, Kathy Goodwind, Alan Nagao, Ron Romero, Robbi Sugarman, Sue Taft, Olan Turner, and Eric Wolf.

S Fire Dart No-Na-Me Super Dart PETER

MarkIII 6' Monster Skyraker Ultra-Lite S



MODEL: VULCAN
FABRIC WEIGHT: .75 oz. ripstop nylon
FRAMING MATERIALS: filament-wound (fiberglass)
WIND RANGE: 5-25 MPH
CONFIGURATION: delta-type (14'6" wingspan)
SKILL LEVEL: intermediate/advanced
MFGR'S SUGGESTED RETAIL; \$470.00
MANUFACTURER: HIGHLY STRUNG KITES

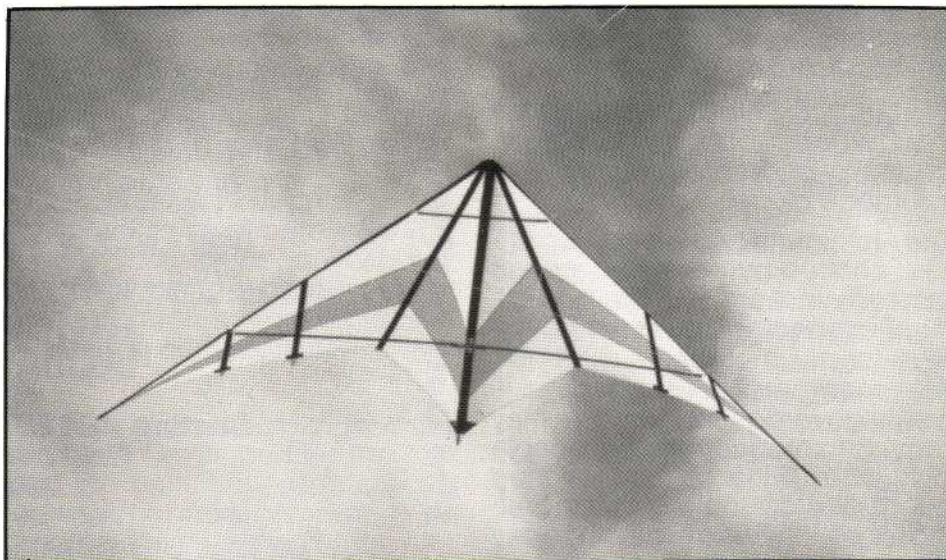
Big kites don't show up as a manufactured commodity all that often. In fact, you can just about count all of them that are available on one hand. When we saw this latest behemoth overshadowing Gary Lyon's (Highly Strung Kites) booth at last January's KTA convention, it seemed appropriate that we "run it around the field" a bit!

At 14'6", the Vulcan is just a tad smaller in the wingspan department than some of the others. However, once total sail area is figured, it fits right in. Our first trip to the beach showed us winds of around 10 MPH. Assembly of the kite was an easy task, performed in about two minutes. There are two wing battens on either side of the spine that are held in place by burji cords. The rest of the assembly is standard.

Flying on 125' of 300 lb. Spectra, the Vulcan slowly rose into the air. It was a ponderous handful that seemed to porpoise in flight. Sure enough, the bridles were slightly out of adjustment. About 1/2" more towards the nose and the difficulty was remedied.

This kite cuts quite a figure! Its flight is slow and can be compared to other over-sized wings. Pull generated is significant: in conversations with Highly Strung, Gary informed us that Vulcans are often rigged for water-skiing in Australia. Subsequent flights in heavier wind would prove his point!

The Vulcan proved out as a capable flyer. We were impressed with its agility, especially in view of its size. Square corners were slow but on the mark, the kite shifting its bulk and negotiating the angles. Straight-line flight and rounded figures were an obvious forte. It was particularly solid and instilled a sense of confidence in whoever flew it. Before long we were



attempting wing-stands and touches. These, again, were handled without incident, though it should be noted that the kite is not equipped with standoff spars. That their addition may well help its performance in light air is a possibility but we noticed no deficiency in stronger breezes.

Landings and launches were easy, even though the Vulcan, particularly in the lower winds, did tend to "lumber" a bit on take-off. Still, it was a predictable response, and once we got used to the idea that we were going to have to move backward a bit to compensate, it worked out quite nicely. This is an area in which the addition of stand-offs would be an asset. If the kite gets to a flat, grounded position, it's a real challenge to relaunch. Pulling it to airborne from the leading edge will test one's athletic prowess, particularly in light winds!

Steering this large kite can require a lot of arm, but let's face it, the Vulcan is not a kite for everyone. Tight, less-than-wingtip turns are achievable. They will require a healthy amount of muscle, though, once the breeze picks up. Our second trip out with the kite was with wind speeds of 17-20 MPH. It was evident from the launch that we had

gotten things better as far as the Vulcan was concerned. In its rush to become airborne, the kite nearly launched itself several times. It was a worthy sand-skiing kite, taking everyone who flew it for nice rides down the beach. The slowness proved an asset, here. We never got the feeling that we were in danger of being overpowered by the kite. It produced a nice, steady, manageable pull.

Workmanship on the Vulcan is very good. All seams are triple zig-zagged. The leading edge, spine sleeve, and all batten sleeves are dacron reinforced. All spar fittings are tight and the vinyls fit comfortably. This is of particular note when dealing with large sparring materials. If they are too tight, they can be a real struggle during disassembly!

The Vulcan is a large kite that wants to fly with the 8-footers. In the air, it behaves much like a smaller product. It's surprisingly nimble for its size. Only when the wind quicks up will it become a kite for the heavy-weight or the skier. We had a great time with this one: it attracted a crowd wherever we flew it. If you're into power and performance, you'll like this one!

CB/SB



MODEL: WIZARD
FABRIC WEIGHT: .75 oz ripstop nylon
FRAMING MATERIALS: filament-wound (fiberglass)
WIND RANGE: 5-25 MPH
CONFIGURATION: delta-type (72 inch wingspan)
SKILL LEVEL: intermediate
MFGR'S SUGGESTED RETAIL: \$110.00 - \$140.00
MANUFACTURER: WIZARD KITES

It wasn't as if Bob Childs, of Dallas, Texas didn't like the kites he was flying...he just wanted something different.

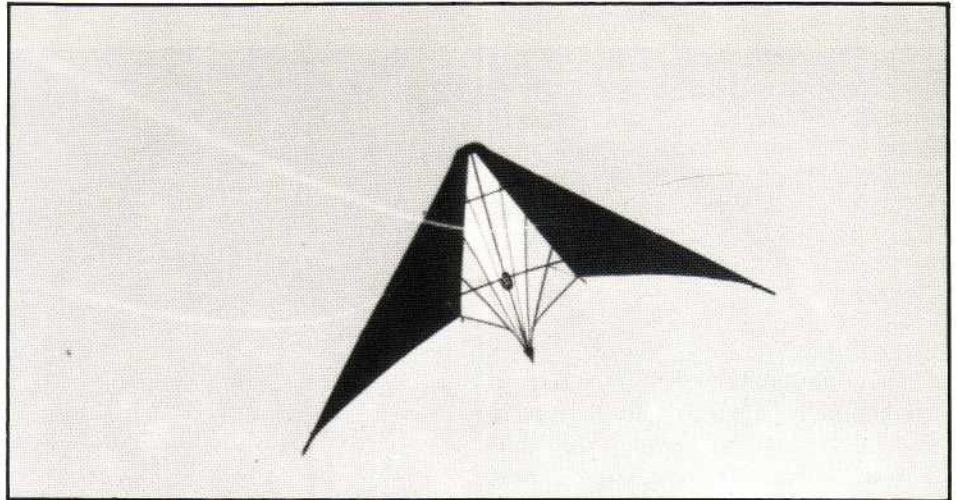
"I really like doing a lot of ground work, so I set out to make a kite that would combine some of the attributes of the ones I had," he explained, "plus giving me some interesting abilities in the air." Thus, the Wizard was born. It is a curious mixture that does a number of things quite well.

We have flown the Wizard several times...first in a number of prototype stages, and finally as a finished production model. All of the kites that we have had in the air have been sparred with the usual filament-wound fiberglass but, we are told, the Wizard is also offered in carbon-graphite.

To begin, the kite is a mid-size model with a low aspect ratio. This has the potential to make the Wizard quite precise. There is an element of oversteer that shows up in lower wind speeds while in higher breezes, the picture reverses and the kite shows a bit of under-rotation. This is particularly noticeable in off-wind maneuvers. The kite also seems to respond more favorably to pull turns than push turns.

In spite of its less-than-full size, the Wizard performs landings and launches at the flyer's whim. The standoff spars used work well in aiding the maneuvers. Coupled with a fair-sized wind window, the kite is one of the better ones that we have flown for those who list ground-work as their forte. It didn't seem to matter whether we were flying in 8 MPH or 25 MPH, the Wizard handled the deck-work like a pro. The only drawback, if it can be called that, is a bit of tentativeness. While the kite would set down and relaunch with relative ease, we weren't able to be as precise on picking the spot as we would have liked.

The Wizard also got above average marks in the stability department. We were able to force stalls almost



at will and recover them just as easily. This ability worked beautifully in conjunction with the ground maneuvers. We also found that we were able to pull the kite around into a relaunch position from a nose-down, straight down-wind attitude. In fact, three separate times in one afternoon, we successfully launched the Wizard backwards...and it flew quite nicely!

Speed experienced was about average for a kite of the Wizard's size. Absent, however, was any terrific amount of pull. There was just a pleasant tug on the end of the lines. We had to watch carefully at the edges of the wind lest we give the Wizard too much line. With the kite's diminished pull, this can be a very fine line indeed, particularly in low winds. Once this line is crossed the kite will occasionally flip onto its back.

As a spinner, the Wizard does well, though it does tend to slow a bit with successive turns. It doesn't lose altitude, however, just speed. Turns of a more conventional variety were handled nicely with the strength lying in the sharp, angular varieties.

Those who like noise with their flying will find an ally in the Wizard. It is not a "roarer" but, rather a nice, resonant buzzer...just enough to scare the birds but not so overpowering as to drive off spectators.

Our test model did have one item that we'd like to see handled differently. The lower spreaders fit over a length of internal ferrule that inserts into the T-fitting. The spreaders themselves, however, do not extend into the vinyl of the T. This will eventually cause the spreader rods to split under pressure from the inside. It is a relatively minor point but one that should be addressed.

Workmanship on the Wizard is good. Retainers have been placed below the upper spreader vinyls (though not on the lower), and the T-fitting vinyl is glued to prevent movement. All seams are rolled and double-stitched. The sail graphics are well thought out.

The Wizard is an attempt to combine the perceived attributes of a number of kites into one product...a good plan if everyone is after those particular characteristics. Not everyone will take an immediate shine to this kite. In its defense...that doesn't appear to be the intention behind the design.

There are a number of performance factors at work here that will please the flyer with specific demands. One thing's for sure...like a favorite fishing pole or a prized 5-iron, the Wizard can grow on you!

CB/SB



MODEL: SKYCHASER
FABRIC WEIGHT: .75 oz. ripstop nylon
FRAMING MATERIALS: fiberglass
WIND RANGE: 5-30 MPH
CONFIGURATION: delta-type (48" wingspan)
SKILL LEVEL: novice/intermediate/advanced
MFGR'S SUGGESTED RETAIL: \$49.90
MANUFACTURER: PETER POWELL KITES

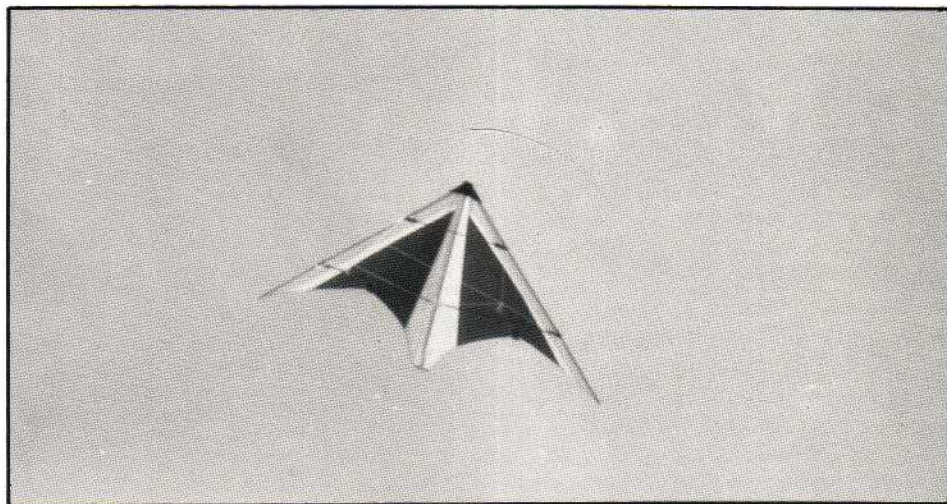
The Skychaser is still another of the new kites offered this year from Peter Powell. We obtained a couple of these early this summer and couldn't wait to try them out. After all, when a stunter hits the market for less than \$50 (with line and handles!), it's one that deserves a good look!

Unwrapping 75 feet or so of the Powell-issue Dacron line, the Skychaser flew quite nicely. The wind was only running at about 6 MPH and the kite wanted more. Still, it gave us no real problems: turns were on the money and straight-line flight was steady. We had been flying large wings earlier, so there was a bit of mental re-tuning as we made the switch to the Skychaser's smaller sail size. It affected us primarily in our landing attempts. The situation was shortlived and we got by our tendency to overcontrol quickly.

We found that we could launch the Skychaser very easily from the leading edge...a slight tug and up it went. We also found the controls to be very tight. We didn't have to do much more than think about a turn and it was done. This would benefit us greatly as the afternoon wore on!

OK. The little fellow had done well at the lower end. Just as we were about to pack it in for the afternoon, our Lake Michigan weather did it again. A quick 10-degree drop in temperature and a 90-degree switch in the wind signaled the passing of a frontal zone. Things were about to change. Almost immediately, the wind speed jumped to the mid-teens and it seemed like the right time to put the Skychaser back up on our 85-foot light team lines (80lb. Spectra). We were suddenly very glad that we had flown the kite earlier in slower stuff!

The Skychaser was in its element. It buzzed back and forth in the sky with nary a bobble or stall. Turns were sharp and fast. There was no tentativeness. Particularly impressive was the amount of control. We found ourselves making mental adjust-



ments again to a still tighter frame of reference. The Skychaser was delightfully sensitive. Square corners became acute angles with the flick of a wrist, and still, no bobbles.

Launching a second 'Chaser, we decided to try some team flying. It made us aware very quickly of just how imprecise some of our moves were! We likened its performance to that of a camera. Cameras don't lie. Neither does the Skychaser! It will show you almost exactly where your flying needs work. We found it not only exciting and fun to fly, but an exceptional learning tool as well. When we picked up larger wing kites later in the afternoon, it was amazing how much our control had improved.

Returning to the Skychasers as the wind neared 20, we found another set of values. The speed, which was already above average, slipped still further up the ladder. As before, the control was precise and immediate.

Edgework with the 'Chaser is, as with most smaller-sized kites, a fairly touchy exercise. The flyer must move toward the kite as it reaches a stall position at the edge of the window, while keeping an eye on the kite lest it slur in "dirtier" ground wind. Once the routine is learned, the process becomes fairly standard. The Skychaser is equipped with standoff spars, as well, which help the situa-

tion here as well as adding stability in lighter air.

As one might expect, there is very little pull exerted by the Skychaser. We were able to keep it on 80 lb. lines well into the high teens. It was genuinely nice to be able to fly in a brisk breeze without having to give our arms the usual rest periods.

Workmanship on the Skychaser is good. After three afternoons of fairly heavy use (including our usual unplanned "crash testing" program), the kites were none the worse for wear. Peter Powell's reputation for durability lives on in this kite.

Bridling of the Skychaser is another Powell "trademark" in that it is pre-set and tied at optimum performance settings. We found little need to have to change it, although we may have been able to enhance lower-end abilities by so doing. Those who fly without clips on the ends of their flying lines may wish to obtain a couple before acquiring the Skychaser as the bridle points terminate in loops.

The Skychaser is an effort to put a good kite in the hands of the consumer for a great price. It does that right off the bat...and more. This kite is fun, fast, and built to last. We had a hard time putting this one back in the bag!

CB/SB



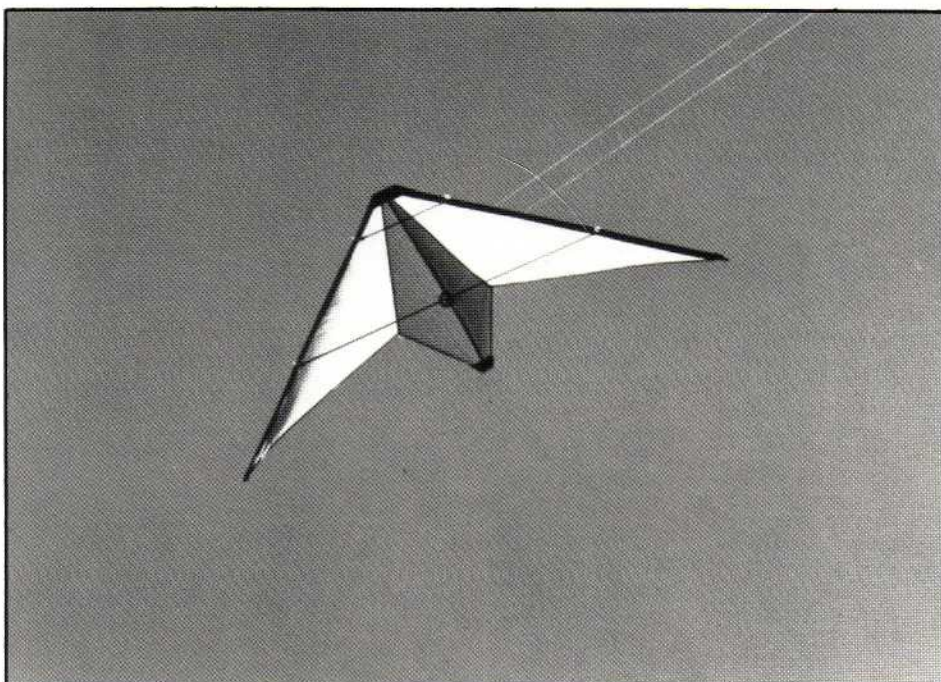
MODEL; Z DART
FABRIC WEIGHT: .75 oz. ripstop nylon
FRAMING MATERIALS: graphite
WIND RANGE: 4-25 MPH
CONFIGURATION; delta-type (68" wingspan)
SKILL LEVEL: novice/intermediate/advanced
MFGR'S SUGGESTED RETAIL: \$90.00 (stand-offs opt.)
MANUFACTURER: ACTION KITES

The Z Dart is Action's newest entry into the mid-size stunt kite market. Smaller than their Moon Dart, the "Z" is an agile little fellow, indeed! We picked up our copy while in San Diego attending this year's California Open. They were so new that they had just been sparred a couple of days prior. But it wasn't until the day after the competitions that we got a chance to put one into the air. We were not prepared for the results!

Most small kites that we've flown have had a tendency towards over-steer and skitterish behavior...not so, the Z Dart. The kite tracked dead on and zipped through the turns without a bobble. It may be an unusual statement for a kite of this size, but the "Z" has all the makings of an excellent precision kite.

This may be due, in part, to the fact that graphite sparring has been used. It is unusually responsive. Little more than a wrist inclination is needed to change directions. While other kites of small size may have trouble with tight, looping maneuvers, the "Z" handled them nicely, though there is a slight tendency to spin out of the wind with the addition of more loops. What impressed us most was the kite's ability to hold steady, even with rigorous, angular moves. There is no characteristic wobble after snappy 90-degree turns. Likewise, there is no slur when undercut turns are done at the edge of the window.

Edgework presents the most difficult area in which the Z Dart has to function. It is not a particularly large problem, but the flier must be careful to feel his way around. The decreased sail area, plus the fact that the kite lacks standoff spars, means that what little air the kite has to work with becomes extremely small very quickly. The "Z" has got to be treated as a finesse kite on the edges. Overcontrol will put the kite down. Fortunately, it launches fairly well off the leading edge.



This brings us to a discussion of groundwork. A wingspan of less than 6 feet presents a small silhouette at the end of the lines. We initially flew the kite on 80 feet of 135lb. Spectra, which we swapped quickly for a like amount of 80lb. There isn't a whale of a lot of pull generated with this one. Still, we did not feel any loss of control. Landings worked well with the usual spin-and-take-a-step towards the kite routine. The size of the step has to be varied though, as it's possible to go into a landing which will lay the kite right down on its back.

Off-wind, the "Z" can be floated down to a gentle landing but be sure to watch for signs of ground turbulence. The smaller the kite, it seems, the more we find ourselves trying to over-control it. Though not particularly difficult to pull off, landings may take a while to polish as far as accuracy is concerned.

What the Z Dart lacks in pull, it more than makes up for in speed. While not blinding, the kite can be

very quick, indeed. It is in the upper 10% of those we have thus far tested. The smooth tracking holds well even in high winds. Subsequent afternoons with winds in the mid-20's (including one memorable spurt of 30+), the "Z" held its own. It was we who were hard-pressed to keep up with the kite!

For a kite of relatively small size, we were also impressed with its stability. Pulling the "Z" from the air is not the easy task that we've had with some other small products.

Workmanship on the Z Dart is good. All seams are triple zig-zagged and dacron has been used to reinforce stress points. Additions? We'd like to see standoff spars added to aid in relaunching.

If your taste runs to speed and agility, there may just be a Z Dart in your future. Though we've not had the chance to do so, we have every confidence that this little fellow would work very well in stack. All of this at a price that won't cost an arm and a leg. Action's got another winner!

CB/SB

**RESULTS - TEXAS GULF
COAST CHALLENGE,
APRIL 6-7, 1991**

INDIVIDUAL PRECISION - NOVICE (Final)

1.	J.P. Morere	87.27
2.	Christopher Tarter	85.00
3.	Albert Almendez	84.47
4.	Larry Lee Stiles	84.40
5.	Chuck Janzow	83.47
6.	Bill Ketcham	81.93
7.	Edward Reynolds	80.00
8.	Garcia Efrén	78.07
9.	Richard Gray	77.60
10.	Benny Hammock	76.80
11.	Donald Nichols	73.87
12.	Bill Hawthorne	73.67
13.	Charm Lindner	73.60
14.	Gary Allison Morey	72.87
15.	Donna Heimberg	71.13
16.	Jeff Meilinger	70.00
17.	Billy Godfrey	67.67
18.	Rick Heller	66.33
19.	Michelle Russell	64.80
20.	Henry Clark	64.60
21.	Jon Milan	64.53
22.	Jerry Peurifoy	64.27
23.	Brandon Kivell	62.40
24.	Leona Clark	60.13
25.	Richard Hubbard	49.80
26.	R.W.Reppone	48.73

**INDIVIDUAL PRECISION - INTERMEDIATE
(Final)**

1.	Nickey Daugherty	82.00
2.	Keith Anderson	80.33
3.	Ann Simmons	80.07
4.	Bill Mladenka	77.60
5.	Michelle Weber	77.00
6.	Donald Simmons	76.73
7.	Tony Perez	75.60
8.	Ron Lindner	75.33
9.	Ralph Pyle Jr.	73.47
10.	Tom Farnsworth	67.27
11.	Cheri Duchene	57.20

**INDIVIDUAL PRECISION - EXPERIENCED -
(Heat 1)**

1.	Jon Trennepohl	84.47*
2.	Donald Miller	82.47*
3.	Craig Shrader	82.40*
4.	Brian Mitchell	82.40*
5.	Nancy Lizza	82.20
6.	Greg Hernandez	79.93
7.	Frank Kenisky	71.33
8.	Dan Schmitt	62.93

* advanced to finals

**INDIVIDUAL PRECISION - EXPERIENCED -
(Heat 2)**

1.	Abel Ortega	85.80*
2.	Jeff Radtre	84.47*
3.	Michael Teague	82.67*
4.	Kevin Mitchell	82.67*
5.	Bert Sumida	81.60
6.	Donald Corley	81.00
7.	Klyph McCormick	80.80
8.	Ted Daugherty	80.60
9.	Tom Allen	79.93
10.	Michael Ramos	79.67
11.	Gary Smith	77.33

* advanced to finals

**INDIVIDUAL PRECISION - EXPERIENCED -
(Final)**

1.	Jeff Radtre	92.40
2.	Abel Ortega	92.00
3.	Michael Teague	89.47
4.	Kevin Mitchell	87.33
5.	Donald Miller	84.93
6.	Jon Trennepohl	82.07
7.	Brian Mitchell	77.33

INDIVIDUAL PRECISION - MASTERS - (Heat 1)

1.	Vince Bobrosky	92.47*
2.	Cris Batdorff	91.00*
3.	Alan Nagao	89.80*
4.	Scott Aughenbaugh	86.27
5.	Allan Guillen	85.60

* advanced to finals

INDIVIDUAL PRECISION - MASTERS - (Heat 2)

1.	Dan Buxton	90.33*
2.	Susan Batdorff	90.13*
3.	John McLaughlin	86.27*
4.	Glen Mueller	84.60

* advanced to finals

INDIVIDUAL PRECISION - MASTERS - (Final)

1.	Vince Bobrosky	91.07
2.	Cris Batdorff	90.20
3.	Alan Nagao	89.47
4.	Dan Buxton	87.67
5.	Susan Batdorff	85.00
6.	Jon McLaughlin	80.93

INDIVIDUAL BALLET - INTERMEDIATE - (Final)

1.	Michelle Weber	85.10
2.	Ron Lindner	81.20
3.	Charles Henry	79.33
4.	Ralph Pyle Jr.	73.37
5.	Tom Farnsworth	71.40
6.	Larry Whitacre	70.57
7.	Nancy Almendez	67.33
8.	Ann Simmons	58.97
9.	Keith Anderson	57.70
10.	Cheri Duchene	51.00

INDIVIDUAL BALLET - EXPERIENCED - (Heat 1)

1.	Jon Trennepohl	86.33*
2.	Frank Kenisky	78.33*
3.	Brian Mitchell	78.00*
4.	Donald Miller	74.47
5.	Nancy Lizza	72.03
6.	Mario Pocaroba	66.50
7.	Tamara Joyce	59.40

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED (Heat 2)

1.	Abel Ortega	87.00*
2.	Gary Smith	77.63*
3.	Klyph McCormick	77.60*
4.	Michael Teague	76.67
5.	Jeff Radtre	68.93
6.	Bert Sumida	68.60
7.	Ted Daugherty	67.77
8.	Kevin Mitchell	65.87
9.	Michael Ramos	64.20

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED - (Final)

1.	Abel Ortega	93.50
2.	Brian Mitchell	85.13
3.	Frank Kenisky	84.40
4.	Klyph McCormick	75.23
5.	Gary Smith	70.27
6.	Jon Trennepohl	29.20

INDIVIDUAL BALLET - MASTERS (Heat 1)

1.	Cris Batdorff	93.40*
2.	Scott Aughenbaugh	92.57*
3.	Vince Bobrosky	86.90*
4.	Alan Nagao	83.37
5.	Jim Richey	70.43
6.	Allan Guillen	66.90
7.	Mike Simmons	50.17

* advanced to finals

INDIVIDUAL BALLET - MASTERS - (Heat 2)

1.	Bob Childs	95.50*
2.	Dan Buxton	94.83*
3.	Susan Batdorff	92.33*
4.	Jon McLaughlin	83.63
5.	Laurie Richey	83.10
6.	Brian Hirose	82.13
7.	Chuck Bradford	77.80
8.	Glenn Mueller	64.33

* advanced to finals

INDIVIDUAL BALLET - MASTERS - (Final)

1.	Scott Aughenbaugh	94.83
2.	Bob Childs	94.07
3.	Dan Buxton	94.03
4.	Cris Batdorff	93.37
5.	Vince Bobrosky	90.27
6.	Susan Batdorff	89.00

PAIRS BALLET - INTERMEDIATE - (Final)

1.	Fly It	54.63
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PAIRS BALLET - EXPERIENCED (Final)

1.	Tori Tako II	73.50
2.	Team Dillo	72.43
3.	Texas A&M	43.43

PAIRS BALLET - MASTERS - (Final)

1.	Deja Vu	88.57
2.	Skyward Edge	87.33
3.	Windwalkers	58.90

TEAM BALLET - EXPERIENCED - (Final)

1.	Team Storm	87.03
2.	Bohica	83.07
3.	Ground Control	68.83

TEAM BALLET - MASTERS - (Final)

1.	High Performance	89.87
2.	Tsunami Flight Team	82.07
3.	Zephyrus	74.87

**INDIVIDUAL INNOVATIVE - Unclassed -
(Final)**

1.	Alan Nagao	89.20
2.	Allan Guillen	84.77
3.	Scott Aughenbaugh	84.23
4.	Jon McLaughlin	77.65
5.	Phil Castillo	69.80
6.	Bert Sumida	60.20

INDIVIDUAL QUAD-LINE - Unclassed - (Final)

1.	Bert Sumida	94.53
2.	Allan Guillen	93.27
3.	Scott Aughenbaugh	88.87
4.	Alan Nagao	86.73
5.	Tony Perez	78.07
6.	Tom Farnsworth	57.33

TEAM PRECISION - MASTERS (Final)

1.	High Performance	88.57
2.	Zephyrus	78.60
3.	Tsunami	74.15

TEAM PRECISION - EXPERIENCED (Final)

1.	Bohica	86.73
2.	Ground Control	77.37
3.	Team Storm	67.87
4.	Team Dillo	65.00

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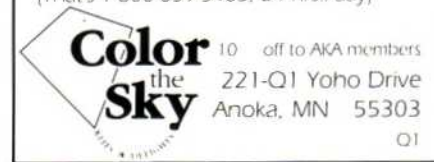
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RESULTS - MID-ATLANTIC S.K.C. - APRIL 13-14, 1991

INDIVIDUAL PRECISION - NOVICE - (Final)

1. Gary Sweely	81.13
2. Brian Linzey	76.13
3. Paul Esposito	75.10
4. Mike Broyhill	73.83
5. Pat Mills	72.30
6. Joshua Connell	71.36
7. Coreen Cook	68.93
8. Chuck Rountree	66.63
9. Eileen Tavolacci	65.53
10. Ruth Fullerton	64.20
11. Luke Holmes	62.53
12. Cynthia Thomas	55.83
13. Gilbert Robichard	54.73
14. Nancy Rickman	54.00
15. Ron Young	53.83
16. Jeff Porterfield	32.23

INDIVIDUAL PRECISION - INTERMEDIATE - (FINAL)

1. Laurie Agnew	50.46
2. Steve Peple	49.93
3. Carlos Ramirez	46.93
4. Stacy Carmichael	45.33
5. Chris Bell	45.20
6. Michael Moore	43.40
7. Tom Miller	42.80
8. Carl Watkins	42.26
9. Judy Winkler	41.66
10. Karen Hanson	40.80
11. Chuck Stecker	40.13
12. Don Holmes	36.06
13. John Smith	30.06
14. Ben Gomez	27.93
15. Warren Saunders	25.86

INDIVIDUAL BALLET - INTERMEDIATE - (Final)

1. Chris Bell	77.33
2. Ben Gomez	76.56
3. Daryl White	73.63
4. Steve Peple	70.56
5. Carlos Ramirez	69.76
6. Chuck Stecker	67.26
7. William Dupre	67.13
8. Carl Watkins	65.30
9. Michael Moore	63.53
10. Stacy Carmichael	56.40
11. John Smith	51.20

INDIVIDUAL PRECISION - EXPERIENCED - (Final)

1. John Tavolacci	51.33
2. Charles Stonestreet	46.60
3. Robert Bono	46.20
4. Pete DiGiacomo	45.53
5. Benji Brazell	45.20
6. Dodd Gross	43.13
7. Ray Milliken	42.53
8. Quinn Rickman	42.20
9. Frank Kenisky	40.06
10. Dave Arnold	39.66
11. Marc Conklin	32.93
12. Brad Ruud	31.40

INDIVIDUAL BALLET - EXPERIENCED - (Final)

1. Pete DiGiacomo	85.23
2. Ray Milliken	83.73
3. Dave Malloy	80.33
4. John Tavolacci	80.03
5. Dave Arnold	79.66
6. Quinn Rickman	77.00
7. Ben Futrell	76.00
8. Robert Bono	74.76
9. Michael Connell	72.63
10. Calvin Mills	70.76
11. Charles Stonestreet	70.23
12. Frank Kenisky	67.23
13. Benji Brazell	67.16
14. Dodd Gross	64.63
15. Marc Conklin	55.40

INDIVIDUAL PRECISION - MASTERS - (Final)

1. Mike Jones	52.93
2. Eric Wolff	52.80
3. Billy Jones	52.20
4. Dan Buxton	52.06
5. Chris Schultz	52.00
6. Bob Hanson	51.66
7. John MacLauchlan	50.73
8. Chuck Walker	50.46
9. Pete Dolphin	45.66
10. Mike Simmons	35.53
11. Bill Beneker	32.80

INDIVIDUAL BALLET - MASTERS - (Final)

1. Eric Wolff	89.76
2. Billy Jones	87.96
3. Dan Buxton	84.36
4. Mike Jones	84.23
5. Susie Edison	82.23
6. Bill Edison	81.66
7. Pete Dolphin	80.96
8. Dave Barresi	80.10
9. Chris Schultz	79.86
10. John MacLauchlan	79.73
11. Bob Hanson	79.40
12. Arlene Anderson	78.40
13. Mike Simmons	77.40
14. Roger Chewing	76.00
15. Chuck Walker	75.70
16. Frank Fieseler	74.26
17. Frank Louderslager	73.46
18. Bill Beneker	71.80
19. George Baskette	71.40

TEAM PRECISION - EXPERIENCED - (Final)

1. Trilogy	61.30
2. Screaming Klig-Ons	32.68
3. E.C.U. Corsairs	18.95

TEAM BALLET - EXPERIENCED - (Final)

1. Looking Skyward	78.03
2. Liberty Flyers	75.60
3. Windswept	74.30
4. KAK Delta	53.50
5. Kapital Air Korps	52.40
6. Screaming Klig-Ons	42.30

TEAM PRECISION - MASTERS - (Final)

1. Chicago Fire	80.83
2. Black Sheep Squadron	70.06

TEAM BALLET - MASTERS (Final)

1. Chicago Fire	90.16
2. Skyward Edge	89.30
3. Edison Flight & Power	87.00
4. A-ROAR-A	80.23
5. Team What's UP	66.20
6. Team High Fly	64.23

INDIVIDUAL QUAD PRECISION - OPEN - (Final)

1. Bob Hanson	46.26
2. Dave Hadzicki	45.80
3. Dave Arnold	45.00
4. Joe Hadzicki	43.50
5. Jim Hadzicki	34.46
6. TC Powers	30.66

INDIVIDUAL QUAD BALLET - OPEN - (Final)

1. Eric Wolff	88.90
2. Bob Hanson	87.03
3. Dave Arnold	81.06
4. Jim Hadzicki	80.36
5. Frank Fieseler	79.80
6. Dave Hadzicki	77.76
7. TC Powers	77.73
8. Joe Hadzicki	77.26
9. Calvin Mills	69.23
10. Brad Ruud	66.70

TEAM QUAD PRECISION - OPEN - (Final)

1. Revolution	86.40
2. Kapital Air Korps	75.73

INDIVIDUAL INNOVATIVE - OPEN - (Final)

1. John MacLauchlan	74.35
2. Billy Jones	71.45
3. Bill Baker	69.13
4. Bill Beneker	49.90

RESULTS - PHILADELPHIA SKY FESTIVAL, APRIL 20-21, 1991

INDIVIDUAL BALLET - EXPERIENCED - (FINAL)

1. Michael Moore	84.50
2. Robert Sterling	82.83
3. Calvin Mills	81.20
4. Rich Yedinak	78.73
5. Chris Bell	74.70
6. Mike Hicks	71.86
7. Chester Howell	68.36
8. Bill Weisgerber	65.80
9. Bill Dupre	64.90

INDIVIDUAL BALLET - MASTERS - (Final)

1. Bob Hanson	Sasaki Dart	91.56
2. Steve Negen	Phantom	88.93
3. Roger Chewing	Flexifoil	87.60
4. Susie Edison	Phantom	86.36
5. Arlene Anderson	A-ROAR-A	85.76
6. Peter Dolphin	Team High Fly	85.36
7. Rod Tanis	Phantom	82.16
8. Ralph Offredo	Hawq Pro	82.40
9. Bill Edison	Flexifoil	79.03
10. Kathi L-Ramirez	Spinoff	77.80
11. Bill Beneker	Team High Fly	77.26
12. Frank Loudenslager	A-ROAR-A	72.60

TEAM PRECISION - MASTERS - (Final)

1. Roaring Flamingos	Hawaiians	89.66
2. Black Sheep	Phantoms	79.40
3. Behind the Lines	Spinoffs	64.06
4. Trilogy	Trilogys	55.15

TEAM BALLET - MASTERS - (Final)

1. Roaring Flamingos	Hawaiians	86.30
2. Flying Circus	A-ROAR-As	85.76
3. Edison F. & P.	Phantoms	82.30
4. Trilogy	Trilogys	75.20
5. Team High Fly	Team High Flies	74.33

INDIVIDUAL INNOVATIVE - OPEN - (Final)

1. Peter Dolphin	Team High Fly	73.80
2. Calvin Mills	(Homebuilt)	72.33
3. Bill Beneker	Team High Fly	66.36

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**RESULTS - 3RD ANNUAL
CALIFORNIA OPEN
APRIL 21-22, 1991**

**INDIVIDUAL PRECISION - EXPERIENCED -
(Heat 1)**

1. Gary Wood	90.6*
2. Stephen Kent	90.2*
3. Gordon Osterlund	89.3*
4. Ron Bond	88.5
5. Keith Anderson	87.2
6. Barry Nash	87.1
7. Martin Dougherty	87.0
8. Brendan Pimper	86.2
9. Georg Botts	83.6
10. Hitoshi Matuso	81.1
11. Masaru Tazawa	77.6
12. Seth R. Goldmen	76.6
13. John S. Barresi	63.8
14. Sharon Lai	46.4

* advanced to finals

**INDIVIDUAL PRECISION - EXPERIENCED -
(Heat 2)**

1. Bob Crawford	92.1*
2. Erik Erickson	89.8*
3. Ken Osterlund	87.2*
4. Jon Trennepohl	85.3
5. Derek Moran	84.6
6. Ichiro Kaneko	83.7
7. Jose Sainz	83.3
8. Greg Aronson	82.6
9. Stuart Pixley	72.3
10. Takashi Yamada	72.3
11. Ron Thorpe	60.2
12. Robert Neuber	56.6
13. Ken Lanlus	53.6

* advanced to finals

**INDIVIDUAL PRECISION - EXPERIENCED -
(Heat 3)**

1. Tom Allen	82.5*
2. Manabu Tsuchiya	81.3*
3. Mike Barclay	80.5*
4. Klyph McCormick	79.2
5. *Rod Guyette	77.7
6. *Koichi Kosuge	77.7
7. Michael Pedersen	76.9
8. Takumi Hagjuda	74.4
9. Nancy Lizza	73.3
10. Jorge Plasencia	72.9
11. Gerald Winn	72.9
12. Wendy Cullins	71.4
13. Bert Sumida	70.9
14. Ryohei Shiohata	66.0
15. Katumi Murakami	64.4
16. Eric Olase	56.6
17. Steve Galloway	50.0

* (AKA Tiebreaker)

* advanced to finals

**INDIVIDUAL PRECISION - EXPERIENCED -
(Final)**

1. Bob Crawford	95.9
2. Gary Wood	94.5
3. Tom Allen	92.4
4. Erik Erickson	92.1
5. Mike Barclay	91.5
6. Manabu Tsuchiya	90.3
7. Gordon Osterlund	90.0
8. Ken Osterlund	84.7

INDIVIDUAL BALLET - EXPERIENCED - (Heat 1)

1. Ron Thorpe	94.4*
2. Jon Trennepohl	93.3*
3. Erik Erickson	92.7*
4. Katumi Murakami	92.1
5. Michael Pedersen	88.7
6. Mike Barclay	85.8
7. Ichiro Kaneko	84.5
8. Hitoshi Matuso	83.5
9. Nancy Lizza	82.1
10. Craig Wong	81.5
11. Robert Neuber	81.5
12. Seth Goldman	78.5
13. Keith Anderson	78.1

14. Gordon Osterlund	75.6
15. Stuart Pixley	72.7
16. Ryohei Shiohata	70.6
17. Jorge Puentes	68.7
18. Takashi Yamada	67.7
19. Rod Guyette	67.5
20. Sharon Lai	60.6

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED - (Heat 2)

1. Ken Osterlund	88.6*
2. Greg Aronson	86.4*
3. Dan Markworth	85.2*
4. Gerald Winn	85.2
5. Gary Wood	84.2
6. Takumi Hagjuda	83.1
7. Manabu Tsuchiya	81.3
8. Koichi Kosuge	78.6
9. Michael Grambusch	77.3
10. Bert Sumida	76.4
11. Masaru Tazawa	76.2
12. Peter Shields	75.8
13. John S. Barresi	72.5
14. Steve Galloway	70.3
15. Klyph McCormick	69.4
16. Lorna Buxton	69.0
17. Brendan Pimper	43.7
18. Barry Nash	DQ

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED - (Final)

1. Ron Thorpe	96.5
2. *Erik Erickson	91.7
3. *Jon Trennepohl	91.7
4. Dan Markworth	87.7
5. Greg Aronson	87.5
6. Ken Osterlund	85.9

* (AKA Tiebreaker)

**INDIVIDUAL PRECISION - OPEN (MASTERS) -
(Heat 1)**

1. Ron Reich	88.2*
2. Scott Aughenbaugh	88.1*
3. Alan Nagao	80.9*
4. Pamela Kirk	80.3
5. Mike Dennis	78.0
6. Samuel Rock	77.4
7. Allan Guillen	76.0
8. Susan Batdorff	74.0
9. Miguel Rodriguez	45.9

* advanced to finals

**INDIVIDUAL PRECISION - OPEN (MASTERS) -
(Heat 2)**

1. Don Tabor	82.7*
2. Mike Sterling	81.7*
3. John Oliver	80.7*
4. Eric Fuji	78.7
5. Vern Balodis	76.4
6. Robert D. Hamilton	72.0

* advanced to finals

**INDIVIDUAL PRECISION - OPEN (MASTERS) -
(Heat 3)**

1. Hideo Wakazawa	88.1*
2. Eric Streed	85.7*
3. Randy Tom	84.8*
4. Ray Wong	80.5
5. Kathi Larrabee-Ramirez	80.2
6. Cris Batdorff	79.5
7. Dan Buxton	78.1

* advanced to finals

**INDIVIDUAL PRECISION - OPEN (MASTERS) -
(Final)**

1. Alan Nagao	92.8
2. Ron Reich	92.5
3. Scott Aughenbaugh	92.2
4. Eric Streed	89.6
5. Don Tabor	87.7
6. Hideo Wakazawa	86.9
7. John Oliver	85.3
8. Randy Tom	76.7
9. Mike Sterling	57.6

**INDIVIDUAL BALLET - OPEN (MASTERS) -
(Heat 1)**

1. Scott Aughenbaugh	92.3*
2. Miguel Rodriguez	90.9*
3. Eric Fuji	90.6*
4. Dan Buxton	88.4
5. Cris Batdorff	86.1

6. Alan Nagao	84.9
7. Don Tabor	84.7
8. Eric Streed	82.5
9. Allan Guillen	81.3
10. Brian Hirose	79.8
11. Ray Wong	75.8
12. Jim (Mouse) Richey	72.6

* advanced to finals

**INDIVIDUAL BALLET - OPEN (MASTERS) -
(Heat 2)**

1. Ron Reich	88.6*
2. Susan Batdorff	88.3*
3. Kathi Larrabee-Ramirez	85.7*
4. Pamela Kirk	84.2
5. John Oliver	83.6
6. Hideo Wakazawa	81.6
7. Mike Sterling	1.0
8. Vern Balodis	80.9
9. Mike Dennis	76.5
10. Samuel Rock	76.0
11. Robert D. Hamilton	67.3

* advanced to finals

**INDIVIDUAL BALLET - OPEN (MASTERS) -
(Final)**

1. Scott Aughenbaugh	93.9
2. Kathi Larrabee-Ramirez	88.8
3. Miguel Rodriguez	88.3
4. Eric Fuji	87.1
5. Susan Batdorff	86.4
6. Ron Reich	86.2

TEAM PRECISION - EXPERIENCED (Final)

1. Ramjet	90.9
2. Woodwinds	90.5
3. Bohica	90.4
4. Tempest	79.7
5. Griffin	71.9
6. Tokyo Winds	68.2

TEAM BALLET - EXPERIENCED (Final)

1. Bohica	91.2
2. Woodwinds	85.7
3. Ramjet	82.1
4. Griffin	78.4
5. Tempest	73.0
6. Tokyo Winds	71.5

PAIRS BALLET - EXPERIENCED (Final)

1. Paragon	81.3
2. Primary	77.7

TEAM PRECISION - OPEN (MASTERS) - (Final)

1. Top of the Line	93.9
2. *Prevailing Winds	92.1
3. *High Performance	92.1
4. Tsunami Flight	87.4
5. Zephyrus	86.5
6. Air Art	83.0
7. Killer Bees	81.8
8. Bay Area Sundowners	70.1

* (AKA Tiebreaker)

TEAM BALLET - OPEN (MASTERS) - (Final)

1. High Performance	92.9
2. Prevailing Winds	91.4
3. Top of the Line	91.2
4. Hyperkite Elite	88.2
5. Zephyrus	87.9
6. Tsunami Flight	86.3
7. Air Art	84.5
8. Killer Bees	83.3
9. Bay Area Sundowners	81.3

PAIRS BALLET - OPEN (MASTERS) - (Final)

1. Deja Vu	84.5
2. Tori Tako	79.6
3. What's Up	78.4

TEAM BALLET TRAINS - UNCLASSED - (Final)

1. Hyperkite Elite	89.4
2. Bay Area Sundowners	84.4
3. Top of the Line	83.9
4. High Performance	80.3
5. Deja Vu	80.1
6. Tori Tako	74.0
7. Zephyrus	67.9

**INDIVIDUAL QUADLINE BALLET - UNCLASSED -
(Final)**

1. Scott Aughenbaugh	95.4
2. Ron Despajado	95.3
3. Erik Erickson	92.3
4. Joe Hadzicki	91.6

5.	Alan Nagao	91.5
6.	Allan Guillen	91.2
7.	Toru Hakuhatata	90.4
8.	Mikio Takamatsu	89.7
9.	Ron Reich	89.6
10.	Takashi Yamada	89.3
11.	Hitoshi Matuso	84.8
12.	Jim Hadzicki	84.0
13.	John Oliver	83.9
14.	Bert Sumida	83.5

RESULTS - GREAT LAKES S.K.C. MAY 11-12, 1991

INDIVIDUAL PRECISION - JUNIOR - (Final)

1.	Matt Cooper	Team High Fly	78.7
2.	Katie Greller	Team High Fly	77.7
3.	Chris Weiden	Stinger	73.5
4.	Ben Polonowski	Spinoff	59.9
5.	Matt Yeager	Skyburner	58.0
6.	Russ Wlath	Skyburner	53.4
7.	Josh Bryda	3/4 Hawaiian	50.5
8.	Matt Thomson	3/4 Hawaiian	50.3
9.	Jasper Ryder	Skyburner	44.5

INDIVIDUAL PRECISION - NOVICE - (Final)

1.	Phil Cooper	Team High Fly	62.7
2.	Jim Cowling	Fire Dart	57.6
3.	Brian Blaeske	(Homebuilt)	56.7
4.	Ken Blain	Stinger	56.0
5.	Bob Porter	Spinoff	55.8
6.	Don Sterly	Fire Dart	54.0
7.	Eric Bommer	Skyburner	53.3
8.	Brian Arens	Phantom	51.9
9.	Billy Godfrey	NS Radical	50.0
10.	John Shaw	Phantom	49.7
11.	Donna Colby	Hawaiian	49.5
12.	Dave Zeller	Skyblazer	48.8
13.	Rick Yeager	Skyburner	48.4
14.	Jan Winkle	Fire Dart	46.8
15.	Jason Poy	Phantom	45.6
16.	Tony Lindquist	Spinoff	42.5
17.	Japhy Ryder	Skyburner	38.1
18.	Dean Herrick	Skyburner	36.7
19.	Nancy McEwen	Hawaiian	30.9
20.	Tanya Mozer	Skyburner	23.8

INDIVIDUAL PRECISION - INTERMEDIATE - (Final)

1.	Sam Ritter	Skyburner	77.6
2.	Craig Spence	Skyburner	73.2
3.	George North	Big Brother	72.7
4.	Dennis Martin	Stinger	71.6
5.	Robert Smith	Hawaiian	71.1
6.	Michael Fecteau	(Homebuilt)	70.7
7.	Ron Lindner	Tori-Tako	69.4
8.	John Besson	Beezer	69.1
9.	Wayne Brunjes	Skyburner	64.7
10.	Rob Swain	Stinger	63.4
11.	Steve Rutkowski	(Homebuilt)	62.8
12.	Dave Helmer	(N.A.)	59.4
13.	Charlie Swain	Stinger	54.9

INDIVIDUAL BALLET - INTERMEDIATE - (Final)

1.	Sam Ritter	Skyburner	79.3
2.	Charlie Swain	Stinger	78.6
3.	Dennis Martin	Stinger	77.3
4.	George North	Big Brother	76.5
5.	Craig Spence	Skyburner	76.0
6.	Rob Swain	Stinger	72.3
7.	Tim Weiden	Stinger	70.1
8.	Ron Lindner	Tori-Tako	68.3
9.	Dave Helmer	Stinger	63.3
10.	John Besson	Beezer	61.8
11.	Kenneth Burk	Stinger	57.5
12.	Michael Swain	Hawaiian	48.1

INDIVIDUAL PRECISION - EXPERIENCED - (Heat 1)

1.	Jeff Radtke	Skyburner	82.8*
2.	Mike Pedersen	Turbo Jet	79.0*
3.	Nancy Lizza	Phantom	77.7*
4.	Rich Yedinak	Hawaiian	74.4
5.	Ted Dougherty	Evolution	70.1
6.	Lou Baldus	Flexifoil	69.4
7.	Brian Greller	Team High Fly	63.5
8.	Mike Muiray	Skyburner	62.4
9.	Pete DiGiacomo	Hawaiian	60.1
10.	Roger Frerichs	Phantom	57.2
11.	Jim Wirt	Skyburner	56.1
12.	Paul Vannocker	Team High Fly	52.3

* advanced to finals

INDIVIDUAL PRECISION - EXPERIENCED - (Heat 2)

1.	Brian Vanderslice	Phantom	82.0*
2.	Jon Trennepohl	Skyburner	79.8*
3.	Mike Barclay	Turbo Jet	74.9*
4.	Joe MacCracker	Lite Flite	73.6
5.	N. Hirama	Spinoff	72.9
6.	Klyph McCormick	Hawaiian	66.0
7.	Matt Weiden	Stinger	61.8
8.	Gary Maynard	Skyburner	56.9
9.	Jerry Elkerton	(Homebuilt)	55.7
10.	Rod Guyette	Turbo Jet	54.5
11.	Richard Gardner	Skyburner	53.4
12.	Naotaka Aoyagi	Spinoff	51.5
13.	Mike Donnelly	Spinoff	42.1
14.	Aaron Harris	Skyburner	33.0

* advanced to finals

INDIVIDUAL PRECISION - EXPERIENCED - (Final)

1.	Brian Vanderslice	Phantom	83.9
2.	Jon Trennepohl	Skyburner	83.3
3.	Nancy Lizza	Phantom	80.4
4.	Jeff Radtke	Skyburner	80.0
5.	Mike Barclay	Turbo Jet	79.1
6.	Mike Pedersen	Turbo Jet	77.7

INDIVIDUAL BALLET - EXPERIENCED - (Heat 1)

1.	Jerry Elkerton	(Homebuilt)	86.8*
2.	Mike Pedersen	Turbo Jet	85.5*
3.	Paul Vannocker	Phantom	72.2*
4.	Lou Baldus	Flexifoil	70.6
5.	Jim Wirt	Fire Dart	62.7
6.	Naotaka Aoyagi	Spinoff	58.7
7.	Rich Yedinak	Phantom	57.8
8.	Brian Greller	Team High Fly	53.3
9.	Roger Frerichs	Phantom	43.5
10.	Ted Dougherty	Evolution	43.2

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED - (Heat 2)

1.	Brian Vanderslice	Phantom	83.1*
2.	Pete DiGiacomo	Flexifoil	80.1*
3.	Nancy Lizza	Flexifoil	78.9*
4.	Jon Trennepohl	Skyburner	78.1
5.	Gary Maynard	Skyburner	72.7
6.	Mike Barclay	Turbo Jet	69.9
7.	Aaron Harris	Skyburner	67.6
8.	Klyph McCormick	Hawaiian	66.8
9.	H. Nagahori	Spinoff	66.3
10.	N. Hirama	Spinoff	66.0
11.	Matt Weiden	Stinger	63.1

* advanced to finals

INDIVIDUAL BALLET - EXPERIENCED - (Final)

1.	Nancy Lizza	Flexifoil	89.1
2.	Brian Vanderslice	Phantom	82.0
3.	Pete DiGiacomo	Flexifoil	81.1
4.	Mike Pedersen	Turbo Jet	80.6
5.	Jerry Elkerton	(Homebuilt)	77.2
6.	Paul Vannocker	Phantom	69.1

INDIVIDUAL PRECISION - MASTERS - (Final)

1.	Sue Taft	Spectrum Dart	88.2
2.	Susan Batdorff	Big Brother	87.9
3.	Dan Buxton	NS Radical	87.0
4.	Vince Bobrosky	Stinger	85.7
5.	Eric Wolff	Flexifoil	85.6
6.	Rod Tanis	Phantom	83.5
7.	Frank Fieseler	Fire Bee	80.9
8.	K. Kawakatsu	Spinoff	80.7
9.	Miguel Rodriguez	CAL Wasp	77.2
10.	Harlen Linke	Big Brother	77.0
11.	Cris Batdorff	Big Brother	72.9
12.	Glenn Mueller	Tori Tako	63.9
13.	Brian Keating	Flexifoil	52.6

INDIVIDUAL BALLET - MASTERS - (Final)

1.	Miguel Rodriguez	CAL Wasp	90.2
2.	Vince Bobrosky	Stinger	87.1
3.	Eric Wolff	Flexifoil	85.9
4.	Glenn Mueller	Tori Tako	85.0
5.	Frank Fieseler	Flexifoil	83.4
6.	Sue Taft	Spectrum Dart	81.8
7.	Steve Negen	Phantom	81.1
8.	Dan Buxton	Flexifoil	80.9
9.	Lee Sedgwick	Flexifoil	80.6
10.	Brian Keating	Flexifoil	78.1
11.	Rod Tanis	Phantom	74.0
12.	Robin Ward	Phantom	63.5
13.	K. Kawakatsu	Spinoff	57.4
14.	Harlen Linke	Big Brother	53.8
15.	Terry Crumpler	WASP	52.2

TEAM PRECISION - EXPERIENCED - (Final)

1.	Ramjet	Turbo Jets	88.6
2.	Perfect Chaos	Hawaiians	78.3
3.	Winging It	Team High Flys	71.7
4.	Scream Seagulls	Stingers	52.5
5.	Hobby House	Stingers	50.5

TEAM BALLET - EXPERIENCED - (Final)

1.	Ramjet	Turbo Jets	75.9
2.	Perfect Chaos	Hawaiians	68.6
3.	Winging It	Team High Flys	67.0
4.	Hobby House	Stingers	65.5
5.	Scream Seagulls	Stingers	59.4

TEAM PRECISION - MASTERS - (Final)

1.	Roar. Iamigos	Hawaiians	88.3
2.	Chicago Fire	Fire Bees	88.0
3.	Prevailing Winds	Slingshots	87.6
4.	Zephyrus	Hawaiians	83.4
5.	Ninja	Hawaiians	81.4
6.	What's Up?	Hawaiians	54.1

TEAM BALLET - MASTERS - (Final)

1.	Roar. Flamingos	Hawaiians	93.5
2.	Prevailing Winds	Slingshots	91.4
3.	Chicago Fire	Fire Bees	86.4
4.	Ninja	Hawaiians	85.0
5.	Zephyrus	Hawaiians	81.4

PAIRS BALLET - OPEN (Final)

1.	Deja Vu	Big Brothers	80.9
2.	Skyburners	Skyburners	80.2
3.	What's Up? II	NS Radicals	76.4
4.	Windjammers	Skyburners	66.2
5.	Tori Tako II	Tori Takos	62.4

INDIVIDUAL INNOVATIVE - OPEN - (Final)

1.	Lee Sedgwick		91.0
2.	Jim Poy		82.9
3.	Lou Baldus		45.0

INDIVIDUAL QUAD-LINE BALLET - OPEN - (Final)

1.	Eric Wolff	Rev 1	90.9
2.	Frank Fieseler	Rev 1	83.2
3.	Sue Taft	Rev 1	76.2
4.	Lee Sedgwick	Rev 2	75.7
5.	Paul Vannocker	Rev 1	75.2
6.	Jerry Elkerton	Rev 1	67.3
7.	Mike Donnelly	Rev 1	64.2

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Calendar Of Events

AUGUST 17-18, NEW YORK STUNT KITE CHAMPIONSHIPS, Mitchell Athletic Complex, Uniondale, NY. Contact: Suzanne and Bill Edison, (914) 937-2838.

AUGUST 24-25, NW MICHIGAN REGIONAL SKC, Manistee, MI. Contact: Harlen Linke, 166 Taylor St., Manistee, MI 49660. (616) 723-8630.

AUGUST 31-SEPTEMBER 1, USAF MUSEUM KITE FESTIVAL, Dayton, OH. Contact: Mike Keating. (614) 451-4870.

SEPTEMBER 7-8, BOSTON AREA S.K.C. East Coast Stunt Kite League Event. Contact: SkyFestivals, P.O. Box 7317, West Trenton, NJ 08628. (215) 736-8253.

SEPTEMBER 21-22, 3RD ANNUAL NEWPORT SEAFEST KITE FESTIVAL, Peninsula Park, Balboa, CA. Contact: Steve Kent, Kites Etc., 711 East Bay St., Newport Beach, CA 92660. (714) 673-0450.

OCTOBER 2-6, 14TH ANNUAL AKA CONVENTION, Metropolitan Park, Jacksonville, FL. Contact: Event Coordinator: Dale Anderson (904) 292-1083. Multi-line competitions: Mike Simmons, (305) 532-0168.

OCTOBER 19-20, OUTER BANKS S.K.C. Jockey's Ridge State Park, Nags Head, NC. East Coast Stunt Kite League Event. Contact: Anne McCarter, Kitty Hawk Kites, P.O. Box 1839, Nags Head, NC 27959. (919) 441-4124.

OCTOBER 26-27, CAROLINA KITE FEST, The Sands Villa Resort, Atlantic Beach, NC. Contact: Don & Jeri Dixon, Carolina Kite Club, P.O. Box 2278, Atlantic Beach, NC, 28512. (919) 247-7011.

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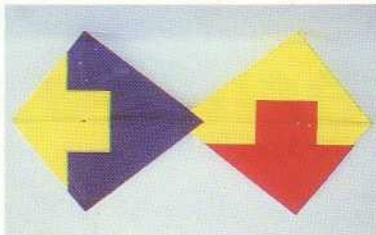
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