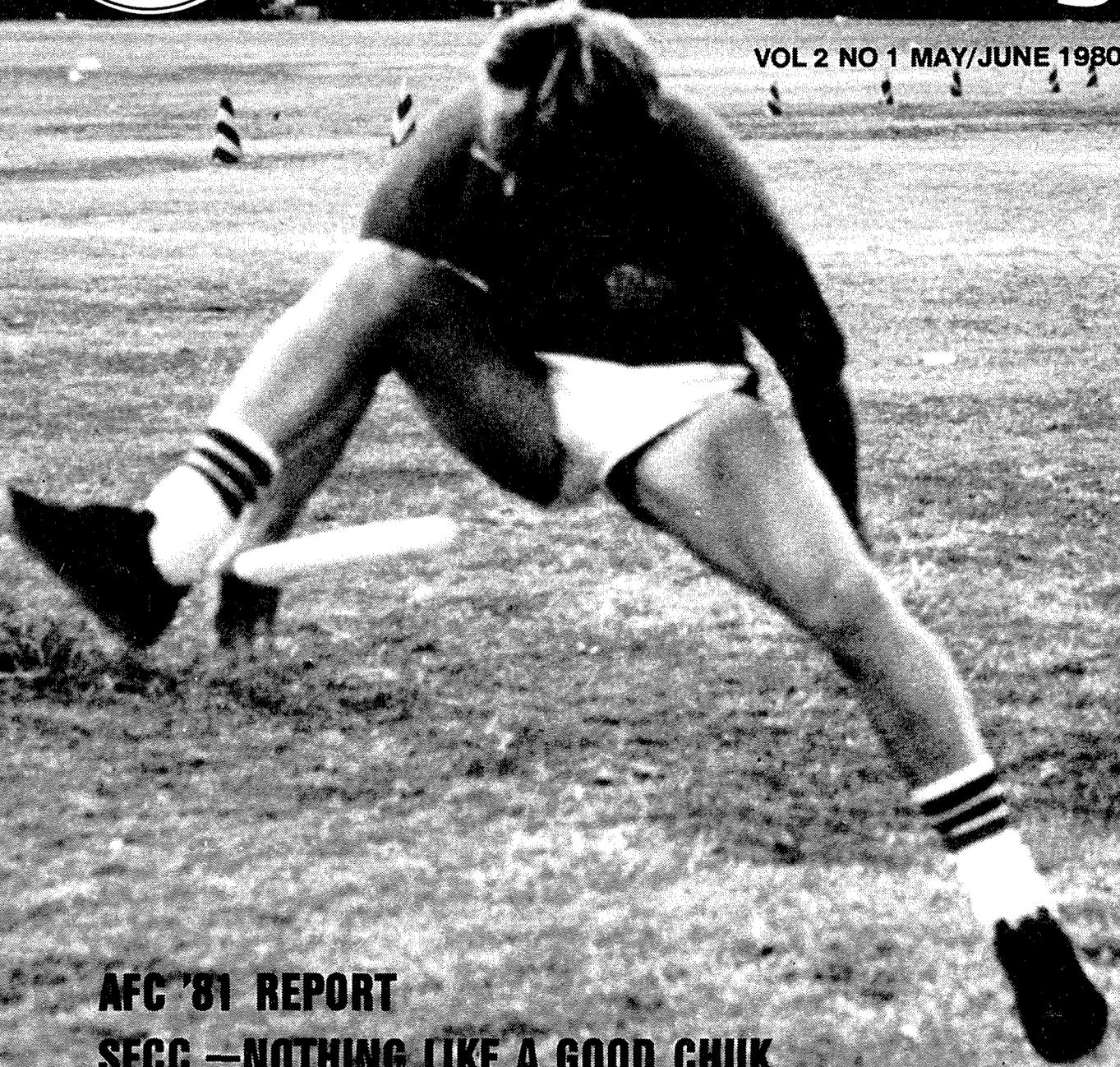


Australian Delay

VOL 2 NO 1 MAY/JUNE 1980



AFC '81 REPORT

SFCC —NOTHING LIKE A GOOD CHUK

THE PRECESSION EFFECT

EDITORIAL

Welcome to this new edition of the 'Australian Delay'. We hope that with this new format we will be able to keep you up to date on new Frisbee disc techniques and informed of local and overseas tournaments. Our new format is an improvement on the old, but is also a little more expensive. You may be able to help us out by getting friends and fellow Frisbee disc throwers to subscribe to the 'Delay'.

We are experiencing an exciting growth in the sport at the moment with new clubs forming in both NSW, (Sydney Frisbee disc Chukkas) and Tasmania (Tasmaniacs Frisbee Disc Club). Both these clubs are growing rapidly with the Sydney group having over 50 members. (See their report later in the 'Delay'.)

This growth has followed on after the AFC '81. This was by far the most successful tournament yet, thanks to all those who competed.

A few problems were experienced during the four days and even before the tournament started there were

complaints from people that it was too long. They seem to forget that the event is our National title. Many other National titles take the four days, or, in many cases, longer. The recent Australian Surfing Championships held in Melbourne started mid-week and carried on until the weekend. In Surfing if the Surf isn't up then it is come back tomorrow. So let's not hear any complaints when next year's Championships are over three or four days.

I can hear some people out there saying, "If it wasn't for the Ultimate!" so let's clear this one up as well.

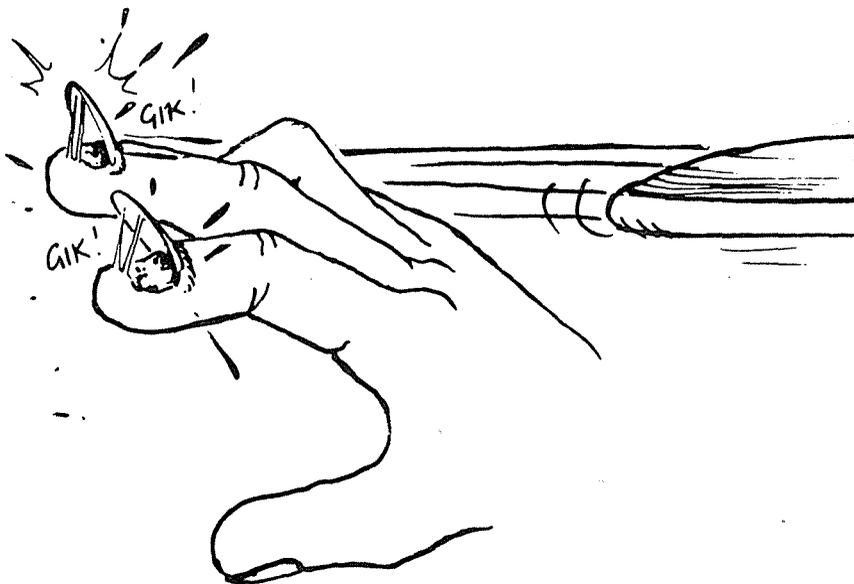
Our reason for holding the Ultimate during the individual Titles was simply that we would, for the first time, have representation from more than one State. We felt that this was a good reason. Unfortunately many people didn't think so. It did break the tournament up and caused some fitness problems for some competitors on the third and fourth days. Although, we feel that it was by far the best Ultimate tournament that we have had, looking back it may have been an error holding it at the same time as the individual titles. We hope to remedy

this next year by holding a completely separate tournament. Details of this will be found in future 'Delays'.

While we are in this mood we should discuss one last thing, the shifting of the Ultimate from the Friday to the Saturday. This was done to allow the Australian Champion team to compete, Pembroke H/S. It was not possible for the Pembroke teachers to get the Friday off as it would have meant the virtual closing of the school. This shift caused other problems, notably the inability for the current Australian Champion to turn up, but we still feel that it was the correct move. It was a one verses seven situation and the seven teachers won out. We figured that if someone was inconvenienced by the shift, that they would be able to get the extra day off in sick leave or holidays.

Despite these problems, and I haven't mentioned the grid marking system or the DDC points, the AFC '81 was a great success. We are already planning bigger things for next year and hope to have some details in the next 'Delay'.

Read on, I hope that you enjoy this new 'Delay'.



TRY TO GET SOME GLOVES
FOR CATCHING!

DRAWING BY PAUL GEARSIDE. 020.
SFCC



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EDITORS... Brian Allen & Mark Powers.
PHOTOS... Michael Ranaldo (SFCC) Dennis McLeod (Sth Aust)

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AUSTRALIAN FRISBEE DISC CHAMPIONSHIPS 1981

The Moomba King was wrong this year. He predicted no rain for Monday's parade, and it came down in buckets. "The best laid plans of mice and men", etc. I wonder if a mouse can throw a Frisbee...

Despite Monday's drenching, the four days of the Championships went askew in only minor details. The first day saw the New Zealand team taking the honours in every category of golf; Nigel Barnwell in the Open, Kerry Crowther in the Women's and Gary Jarvis in the Junior. We thought we saw handwriting on the disc, and were expecting a hiding at the hands of the Kiwis for the next three days.

Nigel and Tim Bratten almost pulled an upset in DDC to go into the finals against the top-seeded team, Mike Benjamin and Brian Allen, but Dean (Zag) Regan and Andrew (Zig) Young clung on to a slim lead and went on to defeat the New Zealanders, 17-15. The saga of the final round comes later in this torrid account.

The top-seeded Women's DDC team, Gail Lynch and Sue Conos, breezed through their games unscathed and top points went to them that afternoon for a well-deserved win.

Saturday morning — everyone hyped up for some Ultimate and lots of running. The sun was blazing down even by 9 o'clock and things were warming up for the best Championships yet. Of course the UFO's from Melbourne Uni stole the show in white lab coats and plastic Groucho noses and glasses with attached bushy eyebrows. (Have an accident? No thanks, I just had one! Don't leave

in a huff, wait a minute and you can leave in a minute and a huff!) But I digress. The seven teams were sorted out (a round-robin nightmare!) and play began with the WA/SA combined team against the reigning champs for the last three years, Pembroke High School teacher's squad (odd squad). The funny thing about it was that Pembroke were two players short and the WA/SA "all stars" (for want of a better word) went off to an early lead of three goals to nothing. Consternation in the camp — would Pembroke be pummelled — the champs chopped — the teachers toppled?

No, it wasn't to be — across many fields, running from their far parked cars, came the cavalry, bugles blaring. Two more players huffed up, apologising to their team mates for their tardiness, and play became serious.

The "all stars" didn't have a look in for the rest of the game as Pembroke's experience and practice shone through as in the past. You have to realise that they are the only team that practices every week or close to it, and therefore has the edge on all us slack-arses. They handily defeated the WA/SA team 11-3.

The Cinderella team of the tournament, was the New Zealanders, aided by zany Michael Rubock and Leigh "follow the bouncing" Bird from a desert island

somewhere to the south of us known as Taswegia or something. Each game they seemed to improve and pick up momentum. Their passes were snappy and the 'long bomb' was proving deadly against the other teams with Gary Jarvis providing some spectacular leaping catches in the end zone.

A head-on clash came when the Jugglers met the Kiwis. The Closet Jugglers were ahead 6-4 at halftime, but seemed to run out of stamina in the second half. The Kiwis opened up the game with the long bomb, finding someone open in the end zone time and time again.

The Jugglers tried it once with disastrous results. The pass floated down to Cleve Twelftree in the end zone and he leapt high to make a magic catch. Two defenders crashed with him to the ground, and he crawled off the field trying to catch his breath. He left soon afterwards to visit the doctor. The result: Six cracked ribs and a punctured lung!

Well, no one expected that sort of violence — especially not Cleve. As a happy footnote, he is recuperating and healing rapidly, his lung and ribs fully mended. And when Cleve left the field so too did the enthusiasm of the Jugglers. The New Zealand team went on to win 11-7.

In fact, the Jugglers dropped their

CHAMPIONSHIPS 1981 AUSTRALIAN FRISBEE DISC

balls many times that day, so to speak. Each successive game became a little longer and a little slower. The CCJ's even scratched and clawed to beat the UFO's in the last preliminary match of the day 9-7.

So the big final was set against the two undefeated teams of the day, Pembroke and New Zealand.

Both teams were tired and had run a few marathons that morning. But neither team wanted to lose — Pembroke had an unbroken record and the Kiwis had an unflinching desire to do it right. And the feathers and fur flew. At halftime, the score was 4-2 Pembroke's favour, with New Zealand hyping themselves up for a final effort. Each team didn't concede a thing all second half — but the 'observers' set up to help with sticky penalties or foul problems, were not needed. The teams worked it out for themselves and played a nail-biting game with tight passing and goal-for-goal plays. Pembroke bottled up the Kiwi's long passing and kept to their pinpoint passing, which frustrated the New Zealanders in the final minutes. Their plays and passes became more desperate as they realised that time was running out and they were one goal down.

The pressure became too much to handle and Pembroke had experience to back them up. Final score 6-5, a real cliff-hanger.

We didn't report on the Ultimate until now due to our very sophisticated scoring system, as seen in Figure A. This system was worked out in conjunction with the expert, Michael Pace, and only recently unearthed in Gail Lynch's dirty socks pile!

Sunday was the test of individual stamina, especially after a previous full day of Ultimate.

Distance was on first, and the wind was full-blown and gusty. Notable throws in the prelims were a hopeful world record by New Zealand Junior Andrew Thomas at an astounding 111 metres and Kerry Crowther's Australian breaking 78.9 metre toss.

The open battle was raging, and the cut for the semi-final was set at 300 feet, or 90.9 metres.

Junior finalists were Andrew Thomas, Gary Jarvis and Disc Virtuoso Mario Epifanio. Gary took the title back to New Zealand with an 87.8 metre throw.

The women finalists conceded to New Zealand as well: Gail Lynch pulled off second place against Karen Thorpe, both well under Kerry Crowther's 75.9 metre winning throw.

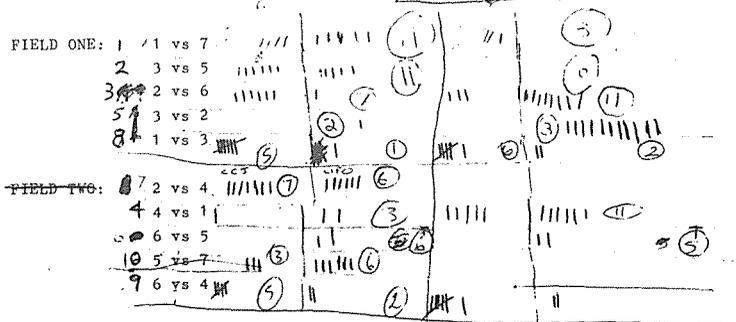
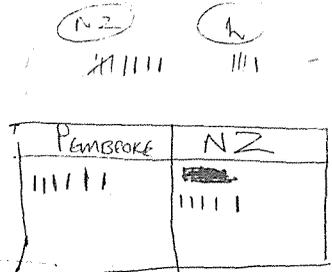
In the afternoon the wind was still a factor during SCF, as shown by the women.

It was nail-biting tension in the prelims for last year's winner Gail Lynch. The wind had squashed her first four throws and she was desperate to make a catch. Kerry Crowther and the WA champion Penny Lindsay were neck and neck with 5.70 and 5.69 respectively, and Gail had to pull one out for this last effort. No sweat — she threw a cool 6.17 to go into the finals, then went on to win the SCF section — oddly enough she was the only one to make a catch in the MTA segment. In the junior and open sections, records were falling like a warped

Super-Pro. In the finals of the Junior section newcomer Chris Charalambakis was putting on a show of skill that rivalled most of the Open competitors. He threw a world record 56.15 metre TRC (so did New Zealand's Andrew Thomas at 51.7 metres). The old record was 51.5 so both guys smashed that mark to put Australia foremost in the record stakes. Chris went on to win both segments of the SCF section — the only event he entered in the Championships. Meanwhile the Open finalists were fighting tooth and nail to see who would come out the winner. The five left came through thirty prelim hopefuls and fifteen semi-finalists surviving at 9.0 second cut. 1978 Champ, Mark Powers, had thrown a 10.69 second opening MTA to pip Bob Gentil's 10.61 effort. Now they were running themselves to death in TRC. Dave Wilson pulled this section off with an Australian record of 65.4 metres and consequently won the event with a first and third place. Mark needed a 35 metre throw on list last attempt to win the event, but only came up with a 34.3,

TEAMS

1. PEMBROKE	1 5 0	+++
2. C.C.J.	3 5 0	0 0 +
3. D.V.D.V.	2 2 0	+ + 0
4. U.F.O.	2 2 0	0 0 0
5. W.W.J.	2 2 0	0 0 0
6. N.Z.	2 2 0	+ + +
7. W.A./S.A.	2 2 0	0 +



- A. Game to 11
- B. Ceiling first one to 13
- C. Half-time at six

Handwritten notes:
 Rod Leach
 I wasn't going to get hammered Pembroke v D.V.D.V. (handled)
 Closest Jugglers have discs not balls

DISC CHAMPIONSHIPS 1981 AUSTRALIAN FRISBEE

CHAMPIONSHIPS 1981 AUSTRALIAN FRISBEE DISC

putting him in second place. After such a long day, most people would have crawled home and relaxed in a hot tub — but not the intrepid travellers of the 1981 AFC's! No sir — a party had been organised and the New Zealanders and Taswegians were itching for an excuse to get drunk.

Everyone was trundled and bundled off to the hired hall and treated to a night of excellent food, company and Grimm disc tales. Films and videotapes were shown, stories swapped and awards given. Details of David Peterson's "Square Disc" award winning effort appears elsewhere in this issue. The only bad part of the evening was the early finish — everyone wanted to get to bed because of the packed schedule of the last day of competition.

But as I mentioned at the beginning of this novel, rain was to dampen our spirits and other bits of anatomy before the Monday morning was up — and throw that well organised schedule into chaos.

First up was the distance finals, two rounds. Round one had been thrown with Dave Peterson in front with a 95 metre toss and Mark Powers a surprising second, with 82.4 metres. It was a cosmopolitan line up of distance crankers. Dave from the Windjammers in wonderful Waverley, Mark and Brian Caulfield Closet Jugglers, Michael Rubock a Tasmaniac and Bob Gentil a maverick from New Zealand.

So the boys started throwing and the rain started falling. Dave got his big lead by throwing 81.8 metres to take first place. Brian Allen came from fifth to second with an 89.6 metre toss, just beating Mark by a cumulative 3.4 metres.

By now the rain was getting serious about spoiling things. Moomba parade, floats, water-skiing and us! The Colin Who band had arrived, and sat dejected waiting in their cars for a hint of sunshine. The PA system was ready — but the crowds had gone. No-one wanted to drown watching a disc.

But wait — the comedy duo of

Andrew Young and Dean Regan insisted on playing DDC (Drowned-Duck Catch?). "Just flinging in the rain, flinging in the rain..." Once, twice they went into the dry (?) tent to coax Mike Benjamin and Brian Allen to "come out and play".

Reluctantly the finals were held in a deluge — the faithful huddled under brollies or in steamed-up cars to watch the battle.

The first game went to Andrew and Dean for first blook 15-8. This was going to be easy! (Or was it?) Mike and Brian were just beginning — (a little wet behind the ears!) They fought back to win the next two games and the new title of Double Disc Court Champions of 1981.

Lunch was called in the hopes that the rain would let up and luckily it did. There was a little debate on whether to hold the Freestyle indoors or not, but eventually everyone agreed it would be more fun and a lot less hassle just to keep going and push through the rest of the schedule.

The Ultimate demo was scrubbed and Freestyle prelims began, with the Juniors and Women having just a final section.

Yes, folks we live in Melbourne. As the music started and the disc whirled and twirled on fingers, the sun came out as if saying 'sorry, I'll try and make it up'.

The band had gone, the PA dismantled, the crowds drifted off, but we discd on — it was great! And now everyone could see how Freestyle had progressed throughout Australia and New Zealand in just the space of one year.

In the Women's section, Judy Geary of the Windjammers had come out of nowhere to progress through basic delaying to difficult spins and rim manoeuvres. Little Sue Conos dazzled everyone with her swirl routine and her great control with both hands. Her "I can't" philosophy carried her on to win the section for the second year in a row!

The talent is there — Kerry Crowther was impressive with moves she learned in New Zealand from the visiting Yanks — Michael and Tim. Gail Lynch's routine had vastly improved; from a

few trick catches behind the back or under the leg to delay work on both hands and harder rim work. This was evident in the Junior section as well. Little Max March from WA astounded everyone with his control and expertise. He'll be one to watch next year if this year was any indication of his practice and dedication. New Zealand had some impressive entries with Gary Jarvis and Andrew Thomas.

Andrew went on to win the Freestyle and the overall crown. Freestyle is oozing out from every little nook and cranny in Australia. Even Sydney is getting into it through the Chukkas Club, run by Robert Jang and Michael Ranallo. Their Freestyle is improving — and it wasn't bad at the Championships.

We had displays of gymnastics and bravado with the combined WA/SA team of Rob Hancock, Andrew Morris and Richard Collis. We had somersaults from the New Zealand team of Michael Crowther and Bob Gentil. We had skill and control from Tony Bolin and Dave Peterson — both should be the ones to watch next year. And Nikki De Groot and Mike Benjamin gave us spins and turns to remember. But Brian and Mark were hot enough to take out their fourth Freestyle title in a row with coops and moves they had picked up from the best America had to offer while they were there last year. The rest of the day was allotted to giving out well-deserved prizes and trophies, as well as saying goodbye to new found friends.

Mark Powers had battled through four long days to take his second Open title, the first Open competitor to do so.

Gail Lynch repeated her win from last year in the Women's section. She found the competition tighter and tougher than ever before, and knows next year will be quite a fight.

As mentioned before, Andrew Thomas flew off to New Zealand with the Junior crown and the first title taken by a non-Australian. We welcome the competition. It can only get better every year with the talent improving and records waiting to be toppled.

The 12(?) Days of AFC

(sung to the tune of Twelve Days of Christmas)

*On the first day of AFC
on golfing misery:
a midnight-flyer in a pine tree*

*On the second day of AFC
my body gave to me:
two wrist rolls and
a midnight-flyer in a pine tree*

*On the third day of AFC
a kiwi victory
three golf champs,
two wrist rolls and
a midnight-flyer in a pine tree*

*On the fourth day of AFC
a lesson taught to me:
four throws and drops
three golf champs,
two wrist rolls and
a midnight-flyer in a pine tree*

*On the fifth day of AFC
a grid-marked mystery:
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the sixth day of AFC
a Twelfree injury:
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the seventh day of AFC
spectator apathy:
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the eighth day of AFC
officials disagree:
eight men a-fighting
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the ninth day of AFC
a distance throw to see:
nine records breaking
eight men a-fighting
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the tenth day of AFC
a Pembroke Jubilee:
ten teachers swearing
nine records breaking
eight men a-fighting
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the eleventh day of AFC
freestyler's memory:
eleven pairs a-drowning
ten teachers swearing
nine records breaking
eight men a-fighting
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls and
a midnight-flyer in a pine tree*

*On the twelfth day of AFC (at last)
we can't wait to see:
twelve Kiwis leaving
eleven pairs a-drowning
ten teachers swearing
nine records breaking
eight men a-fighting
seven people yawning
six ribs a-cracking
"five distance cranks"
four throws and drops
three golf champs
two wrist rolls:
and my midnight-flyer in a pine tree! (still)*

1980-81 SQUARE DISC AWARD

We had good response to this year's Award, thanks to all those people that sent in their nomination. Listed below are a few of the more interesting 'Goof Ups', and the winner, Dave Peterson.

NEVER MADE A
"GOOF UP"
RIGHT?

Alasdair Dawson . . .

Which strong Junior contender lost his chance to place because of his practicing skating for a Skateboard team? Alasdair of course.

Leslie Kemp . . .

He threw a hover but a sudden gust of wind caught it and it boomeranged back and hit him in the face.

Terry Kofod . . .

Place: Shellharbour beach — fully crowded

Terry launches a throw straight into the wind, the Frisbee disc rises up and up, starts coming back towards the crowd. Terry sprints after the Frisbee disc, straight into the crowd, leaps over 5 people, tackles 6 beach umbrellas, knocks down 4 people, one carrying 4 meat pies, then dives across 2 topless females, misses the Frisbee disc by 6 feet and lands face first into a sand castle.

P.S. He got kicked off the beach.

Gail Lynch . . .

Gail was having a very frustrating round at the LA MIRADA Disc Golf course in California. The course is tough, lots of hills and trees, and it winds its way around a duck infested lake. She had now struggled her way to the 17th hole, a long par 3 around 340 feet. The tee off looks over some trees to a sloping fairway. Once over the trees it's a clear shot to the basket, propped on the side of a hill, sloping to the lake.

Gail had made it their in three, after a good tee off and two good fairway throws. She was now about five feet from the pole, getting ready to putt in. She made the putt, and it sailed towards the pole, hitting the basket just below the lip. It bounced off and began rolling towards the lake. Gail was angry, she let loose her standard call of anger, a delicate four letter word, and then let loose with her other Frisbee disc, aiming at the one rolling toward the lake in an attempt to stop it. Gail is a good shot, and hit the rolling disc, stopping it dead.

Unfortunately for Gail, and fortunately for us, the other disc began a roll, only stopping after landing in the lake. Gail was even angrier. She was next found, waist deep in the smelly lake trying to retrieve her disc.

1980-81 SQUARE DISC AWARD WINNER DAVE PETERSON

This story was told to us at the Sunday night dinner held during the Australian Frisbee disc Championships. Mark Powers told us in great detail, Daves 'Goof Up', and Dave won by unanimous vote.

Dave had come along to help out with the Freestyle demonstrations and the 'search for the golden Frisbee disc' competition, on the Channel 10 fun bus in Melbourne. Discs were buried each day in a roped off area for kids to dig them up, winning different prizes for the different disc that they would find. The major prize, for finding the 'Golden Frisbee disc', was a \$50 gold ingot.

I gave Dave the discs to be buried, and off he went. The time came for the search and 200 eager kids dived into the roped off area, spraying sand everywhere as they searched away. 15 minutes had passed and it became obvious that Dave had done his job well . . . the kids couldn't find any of the buried discs. "You come down here and find 'em!" exclaimed one little munchkin covered from head to tail in sand. So Dave jumped in, dug away, but he couldn't find them either . . . and neither could I. Even after a half hour's clawing and probing nothing had been turned up except a bunch of cans, seashells, one runner and a pair of false teeth. The kids were very angry when told that the prizes would be jackpotted to tomorrow seeing that they couldn't be found today and Dave and myself crawled off to lick our wounds.

P.S. If anyone lost a pair of false teeth at South Melbourne beach, then I have got them!!



SYDNEY FRISBEE CHUKKA'S CLUB

THERE'S NOTHING LIKE
A GOOD CHUCK!

THE SYDNEY FRISBEE CHUKKAS CLUB WAS FORMED BY ROBERT JANG AND MICHAEL RANALLO DURING A PERIOD OF PROLONGED BOREDOM BETWEEN THE YEARS 1979 TO 1981. (THERE'S A LIMIT TO THE HOBBY OF BOTTLING SOIL FROM CARROT PATCHES, BUT THAT'S ANOTHER STORY) (A BORING ONE TOO!) SO CAME TOGETHER THE TWO DRIVING FORCES BEHIND THE RESURGENCE OF DISC PLAY IN N.S.W.

THE SCENE IS SET: ON A COLD RAINY, SUMMERS MORNING (LIKE MELB) BOTH MICHAEL & ROBERT WERE TO BE SEEN SKULKING AROUND THE NORTHERN BEACHES OF SYDNEY, WITH THEIR PRO. FRISBEES, SPYING AND CLOSELY FOLLOWING BRIAN ALLAN & NIKKI DEGROOT AS THEY DEMONSTRATED THEIR ART TO A TOTALLY UNCAPTIVE AUDIENCE OF SMALL KIDS AND LARGE DOGS. IT WASN'T HARD TO TELL THAT M & R WERE TRYING TO REMAIN INCONSPICUOUS MINGLING IN THIS CROWD, AS THEY WERE WALKING AROUND ON THEIR KNEES,

THEIR PLAN WAS TO WIN THE VARIOUS PRIZES OF MOOVE MILK (BANANA THANK BRIAN) OR 1980 OZ CHAMPIONSHIP DISCS.

THE DISGUISE DIDN'T LAST LONG, 6 CARTONS IN FACT, AND CONVERSATION BETWEEN THESE TWO OPPOS-

ING PARTIES BEGAN. THEN AFTER A PARTICULARLY HEAVY BINGE ON BANANA MOOVE MILK, ROBERT & MICHAEL, COLLECTIVELY, TURNED GREEN, MADE GURGLING SOUNDS AND THE CHUKKA'S WERE BORN!

MARCH 1981.

THE SCENE: AUST. FRISBEE CHAMPIONSHIPS. MELBOURNE.

ONE MONTH HAD DRIFTED PAST THEIR EYES LIKE A 90 MPH GUTS THROW, AND THE CHUKKA'S HAD SWELLED THEIR FORCES BY ONE, ALMOST DOUBLING THEIR MEMBERSHIP. FOR ANY OF YOU THAT MISSED THE IMPRESSION THAT THESE 3 LEFT ON THE CHAMPIONSHIPS, YOU TRY EATING 2 DOZEN JAM DO-NUTS AND THEN ENTER SELF CAUGHT FLIGHT.

THE CHUKKAS HAD YET AGAIN MADE THEIR PRESENCE FELT IN THE DISC WORLD, WITH THEIR NEW FOUND WAR CRY (RUTH).

APRIL 1981.

AFTER A HIGH PRESSURE MEMBERSHIP DRIVE (FRISBEE'S FUN HONEY, GIVE US YA MONEY) THE CHUKKAS HAD SWELLED THEIR RANKS TO (50), NOW THE LARGEST DISC

CLUB IN AUSTRALIA. THE EXPERIENCE LEARNT FROM THEIR SORTIE TO THE CHAMPIONSHIPS WAS QUICKLY PUT INTO EFFECT, NOW MICHAEL & ROBERT NO LONGER EAT JAM DO-NUTS (ONLY DURING GUTS, OH! AND SOMETIMES

GOLF. AND DISTANCE. (BUT NOT SELF CAUGHT FLIGHT) "☺" "☺"

FOR MORE INFO ON THE CHUKKAS, AND WHERE TO BUY THE BEST DO-NUTS IN SYDNEY, WRITE:
SFCC. 312 LIVERPOOL RD. ENFIELD. SYDNEY.

SYDNEY FRISBEE CHUKKA'S CLUB

NEWS LETTER.

VOL 1. No. 1.

THE SYDNEY FRISBEE CHUKKA'S CLUB IS NOW OFFICIALLY THE LARGEST FRISBEE DISC CLUB IN AUSTRALIA. ALL 40 OF US.

AND THIS IS THE FIRST NEWSLETTER WHICH WE HOPE WILL BE THE FIRST OF MANY.

THE ONLY PROBLEM IS, AT THE MOMENT, WE ARE ONLY GETTING HALF THE CLUB TURNING UP EACH WEEK. BOTH OF US WOULD HAVE BEEN SATISFIED WITH A $\frac{3}{4}$ TURNUP.

ANYWAY LAST SUNDAY (AS WELL AS THIS SUNDAY 19TH APRIL) WE WERE AT CENTENIAL PK, ON DICKENS DRIVE. THIS WEEK WE GOT SOME TIMES DOWN FOR MTA. (MAX TIME ALOFT). IN OTHER WORDS SEE HOW LONG YOU CAN KEEP IT UP. WE HAD SOME GOOD TIMES CONSIDERING NOT MANY HAD THROWN MTA SERIOUSLY BEFORE. THIS MAY HAVE HAD SOME BEARING ON THE FACT THAT NOT ONE GIRL MEMBER MADE A FAIR CATCH. SAY NO MORE!

TIM, THE AMERICAN GUY WITH THE CURLY HAIR SCORED A 10.35 SEC (LUCKY WIND.) BUT AS HE IS NOT A CHUKKA IT DOESN'T COUNT. STEVE GIBB ON HIS FIRST OUTING WITH US THREW THE BEST CHUKKA TIME OF 6.71 BEATING THE 15TH AUST. CHAMPIONSHIP RACEGETTER, MICHAEL, WHO COULD ONLY KEEP

IT UP 6.02 (SOUNDS ABOUT AVERAGE). OTHER GOOD TIMES WERE ROBERT JANG 5.68 NOTABLY DROPPING AN 8 SEC THROW (AS USUAL) AND THE MAN WITH THE MEAN SIDEARM, PAUL GEARSIDE, 5.76.

UNDOUBTEDLY THE HIGHLIGHT OF THE WEEK WAS THE SEMI CRIPPLING OF BOB McDONALD IN GUTS (IT WAS A REAL CROWD PLEASER WHO GENERALLY LOOK FOR BLOOD!) BOB WAS SEEN TRYING TO TIP THE DISC WITH EVERY OTHER PART OF HIS BODY EXCEPT HIS HAND.

ULTIMATE PROVED VERY POPULAR WITH THE MASSES, AS THEY SAW PAUL GEARSIDE IN HIS NOW FAMOUS COLLAPSING IN A HEAP ROUTINE. (THE ONLY MAN KNOWN TO PLAY ULTIMATE & SMOKE WHILE DRINKING A CAN OF FOSTERS AT THE SAME TIME)

ROB RUSSELL (TWO L'S) PLAYED WELL WITH WHAT LOOKED LIKE A LARGE COON SKIN HAT ON HIS HEAD. MALCOLM WRIGHT ALSO HAD A STRONG GAME, IN THIS CLOSE TUSSLE, SCORING MOST OF HIS TEAMS 30 ODD TOUCHDOWNS. ROBERT JANG WAS SENT TO THE SIN BIN TO CONSOLE USA ULTIMATE PLAYER MICHAEL RACE, AS HE JUST MOMENTS EARLIER PUT HIM OUT OF THE GAME WITH A LOW AND VERY LATE SHOULDER CHARGE.

DOMINIC WAS SEEN AGAIN PERFECTING HIS BODY DELAY BY LYING UNDER A TREE AND FALLING ASLEEP.

AND WE'RE STILL HAVING TROUBLE GETTING THE FRISBEE DOGS TO CHASE THE DISC INSTEAD OF THEMSELVES.

THE SHOP.

TEAM UNIFORMS: SOCKS AND PUMA DARK BLUE SHORTS ARE AVAILABLE AT A DISCOUNT RATE OF \$17.00. (WE'LL SCREEN THE LOGO ON THE SHORTS AS WELL AS ON ANY T-SHIRT YOU CAN SUPPLY US.) ASK MICHAEL OR ROBERT.

MORE IMPORTANTLY BOOKS ON FRISBEE ARE NOW AVAILABLE. WE BOUGHT OUT THE ENTIRE STOCKS OF "FRISBEE BY THE MASTERS" (8 COPIES) AND "FRISBEE SPORTS & GAMES" (22 COPIES). BOTH ARE A MUST FOR ANYONE INTERESTED IN TECHNIQUES (FRISBEE BY THE MASTERS) AND GUTS OR ULTIMATE, MTA, AND DISTANCE GAMES (FRISBEE SPORTS & GAMES).

BOTH ARE AVAILABLE FOR \$7.00 EACH BY ASKING ROBERT OR MICHAEL.

TANK TOPS, DARK BLUE WITH LOGO SILK SCREENED IN WHITE ARE ALSO FOR SALE, AT THE ASTONISHING PRICE OF \$3.00.

SO, SEE YOU NEXT SUNDAY, AND JUST KEEP PRACTISING YOUR BASIC THROWS, YOU'LL GET 'EM DOWN, THEN TRY YOUR NAIL DELAY, AND REMEMBER

WHEN YOUR THROW DOESN'T GO DON'T BE PISSED, IT'S ALL IN THE WRIST.



The Basic Throws.

WHAT FOLLOWS IS A RUN DOWN ON THE BACKHAND THROW.

FIRST RELAX! YOU CAN'T THROW A DISC IF YOUR BODY IS RIGID. SO AS THEY SAY STAY LOOSE, GOOSE!

THE GRIP

OPEN YOUR THROWING HAND. TAKE THE FRISBEE IN YOUR OTHER HAND AND FIT IT INTO THE GROOVE OF YOUR THROWING HAND.

NOW GRASP THE DISC. PRESS DOWN ON THE TOP WITH YOUR THUMB. PRESS UP ON THE UNDERSIDE WITH YOUR MIDDLE FINGER, 4TH FINGER AND PINKIE. PLACE YOUR INDEX FINGER ON THE OUTER RIM. YOUR THUMB SHOULD PRESS AGAINST YOUR MIDDLE FINGER.



: LIKE SO

MAKE SURE YOU HOLD THE DISC FIRMLY BUT WITHOUT STRAIN.

LADIES DON'T BE AFRAID OF BREAKING YOUR FINGERS ALL BY USING A TIGHTER GRIP. WITHOUT A GOOD GRIP YOU CAN'T CONTROL A FRISBEE.

THE STANCE.

STAND WITH YOUR FEET A COUPLE OF FEET APART AND IN LINE WITH EACH OTHER. YOUR BODY AND FEET SHOULD BE AT A RIGHT ANGLE TO YOUR TARGET.

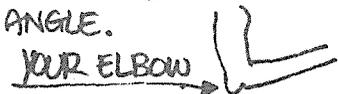


START WITH THE WEIGHT ON YOUR BACK FOOT. THE WEIGHT WILL SHIFT BACK MORE AS YOU BRING ~~THE~~ YOUR ARM BACK IN PREPARATION. THEN THE WEIGHT SHIFTS FORWARD TO YOUR FRONT FOOT ON THE DELIVERY AND RELEASE

THE ANGLE OF RELEASE

YOU SHOULD NOT RELEASE IT FLAT. A FRISBEE TENDS TO FALL OF IN THE DIRECTION OF ITS SPIN. SPINNING CLOCKWISE, IT FALLS OF TO THE RIGHT BY TILTING THE LEFT EDGE DOWN, YOU COMPENSATE FOR THIS TENDENCY.

THE ANGLE WILL VARY FROM NEARLY VERTICAL TO NEARLY HORIZONTAL DEPENDING ON YOUR SKILL AND THE WIND CONDITIONS. BEGINNERS SHOULD USE A 45 DEGREE ANGLE.



TRY TO KEEP YOUR ELBOW RELAXED AND AT WAIST HEIGHT. BEGINNERS OFTEN BRING THE ELBOW UP TO CHEST HEIGHT. KEEP THE ELBOW UNLOCKED. KEEP THE UPPER ARM RELAXED.

YOUR WRIST.

COCK YOUR WRIST BACK TOWARDS YOU. COCKING YOUR WRIST STORES THE ENERGY WHICH WILL BE RELEASE WHEN YOU SNAP THE

WRIST FORWARD

DO NOT TUCK THE DISC AND YOUR WRIST INTO YOUR BODY SO MUCH THAT YOUR ELBOW POINTS AT THE TARGET.

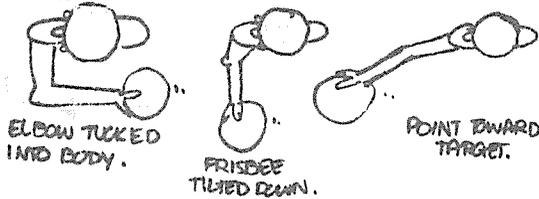


THE DELIVERY.

WITH YOUR WRIST COCKED, BRING YOUR THROWING ARM BACK ACROSS YOUR BODY. THE DISC IS EVEN WITH YOUR LEFT HIP.

LEAD THE SWING FORWARD WITH YOUR ELBOW. THE ELBOW SHOULD CROSS IN FRONT OF THE BODY AND REMAIN ONLY A FEW INCHES FROM IT. LEFT EDGE TILTED DOWN!

NOW SNAP YOUR WRIST FORWARD AND RELEASE. FOLLOW THROUGH WITH YOUR THROWING ARM SO THAT YOUR FINGERS POINT TOWARDS THE TARGET.



IF YOU RELEASE THE FRISBEE TOO SOON, IN FRONT OF YOUR SHOULDER INSTEAD OF IN LINE WITH YOUR RIGHT

HIP THE DISC WILL PROBABLY GO TO THE LEFT. IF YOUR TOO LATE AT A POINT TO THE RIGHT OF YOUR RIGHT HIP THE DISC WILL GO TO THE RIGHT.

COMMON PROBLEMS.

THE MOTION OF THE WRIST IS FROM BACK TO FRONT. THE PALM FACES YOU AND HANGES PERHAPS SLIGHTLY DOWN. THE WRIST SHOULD NOT ROTATE. THE PALM SHOULD NOT FACE UP.



ROTATING YOUR WRIST FORWARD, WILL MAKE THE DISC FALL OFF QUICKLY TO THE RIGHT.

YOUR FEET DON'T LIFT YOUR BACK FOOT OFF THE GROUND AND LUNGE FORWARD. KEEP THE WEIGHT ON BOTH FEET.

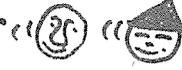
YOUR EYES.

KEEP YOUR EYES ON THE TARGET. DO NOT LOOK AT THE FRISBEE AS YOU BRING YOUR ARM FORWARD OR AT THE POINT OF RELEASE. LEARN TO TRUST THE FEEL OF THE THROW. WITH PRACTISE AS THE THROW FEELS MORE NATURAL YOUR ACCURACY WILL IMPROVE.

THE FINAL RULE.

THINK THE FRISBEE TO YOUR TARGET. BELIEVE YOU CAN THROW IT WHERE YOU WANT TO.

NOW DON'T JUST SIT THERE GO OUT AND PRACTISE.



MINIS MINIS MINIS MINIS MINIS MINIS MINIS MINIS

"When Scott Zimmerman dreams, he dreams he's a Chukka" . Sydney Frisbee disc Chukkas comment.

The Australian 165g World Class is due out in June of this year . . . great news!

Bull Sheet Comments

Paul Fanshaw — 'Titles held' . . . Most improved veteran.

Pamela Peltz — 'Shoe size' . . . It depends if I've put my foot in my mouth.

'Titles held' . . . Big mouth of the year.

'Hat size' . . . It depends if I've won an event (head swells).

Sue Conos — 'Country' . . . Aust 'State' . . . Nervous

'Shoe size' . . . My foot grows every day.

'age' . . . 15 real, 14 on tram.

Mike Rubock — 'Misc Information' . . . First man to nail delay in bath with toe stuck in plug hole.

Rob Hancock — 'Misc Information' . . . I like playing Frisbee disc.

We have heard it all now . . . the World Frisbee disc Dog Association has now been formed, including, for those that don't have dogs, a Frisbee disc Dog Fan Club . . . Join now!

Frisbee disc World is now available to our members for \$1.50 each. The AFA is importing 30 each two months. Write for yours now.

We are looking for feature articles . . . want to write one . . . want to win a Flapjack (a what?) . . . we are offering a free Flapjack and 165g for the best feature article that we will place in the next 'Delay' . . . entries close JUNE 16th . . .

Did you hear about the Frisbee disc Chukka that spent 6 months trying to learn the knee brush? . . . He thought that photo featured on the cover of the May/June 1980 was for real . . . it was a drop Robert . . .

Interested in some unusual, international discs . . . write for your International catalogue . . .

All these big clubs forming . . . the Caulfield Closet Jugglers have gone underground . . . we don't want anymore than our 8 members . . . no, hang on, there is only 6!!!

ANY TASMANIANS out there that want to join a club . . . the Tasmaniacs have been formed . . . WYNARD H/S JENNER ST. WYNARD, TASMANIA. Ph 004 31 1739 004 422 385 . . . ask for Robert Rubock. Robert Who? . . . Sorrrry it should have been Michael Rubock . . .

THE PRECESSION EFFECT

I had a Chinese physics professor once who introduced his course in mechanics by discussing Isaac Newton's importance in the history of physical ideas. "Many people think Newton great because he say, 'Why apple fall? Why apple fall?' But this not true", he assured us with a significant pause. "Newton great because he say, 'Why moon not fall?'"

The idea is simple. What Newton saw (which no one had seen before) was that the apple and the moon were responding to the same force field (pulling them toward the centre of the earth) but they behaved very differently because the apple was initially at rest with respect to the earth while the moon was zipping along with some tremendous initial velocity (due to an astronomical explosion with Newton probably knew as much about as I do). In other words, the behavior of an object is determined not only by the forces acting on it but also by the initial conditions of its motion.

Now consider the flying disc. Balance one on your fingertip and then touch the right side from above with your other hand. Lo and behold, the right edge goes down (and experienced freestylists can make it fall off their finger). But put that disc in a delay, spinning clockwise as you look down on it, and perform the very same top tip. Surprisingly, the edge that drops is not the right one, but the one closest to your body! This effect is called precession and the fact that the spinning disc behaves differently than the still one, under the same external force, is no more mysterious than that the moon orbits while the apple plummets. It is just a difference in initial conditions.

Still, precession is intuitively baffling and since this effect explains a wide range of disc phenomena, from skips and top tips to rim delays and curve rollers, we would like to try to get some feeling for why it happens and how we can use it. We can hope for

two things by looking at the physics of any situation: 1) to explain "strange" behaviors which are more palatable to our common sense and 2) to find a way of predicting what will happen under certain circumstances based on the understanding gained by this explanation. So let's give it a whirl.

A little background first; let me introduce a simple graphical device called vectors. A velocity vector will just be an arrow pointing in the direction of an object's motion. The longer the arrow, the faster the object is going. So we may say the vector has a direction and a magnitude. For instance, a man boating across a lake from West to East at 4 mph may be represented as in Figure 1. Now, if the same guy tries to cross a river which is flowing South at 3 mph, we get the situation shown in Figure 2. Here, two velocity vectors (solid lines) contribute to the boat's motion and we must somehow "add" their effects to find the actual resulting velocity of the boat. We do this by taking the short cut from the tail of the first arrow to the nose of the second. The result is the dotted arrow which shows the direction the boat actually goes in as well as its speed which, for those of you who know the Pythagorean Theorem, 5 mph. We can be satisfied with this result since, if we try to go directly across a river, we expect to be washed diagonally downstream.

OK. Now that we know how to add two vectors, let's get back to the spinning disc which is shown from the top in Figure 3. I have singled out two areas on the rim (A & B) and drawn in their velocity vectors indicating that the disc is rotating clockwise. I have also labelled some directions as if you were at the bottom of the picture holding this disc in a delay. What happens to the chunk of plastic in area A when we top tip this disc at point X? There will be two contributions to its motion; the spin velocity vector pointing in the "near" direction and the tip velocity vector pointing down. So, looking at the disc from the right, we get the vector

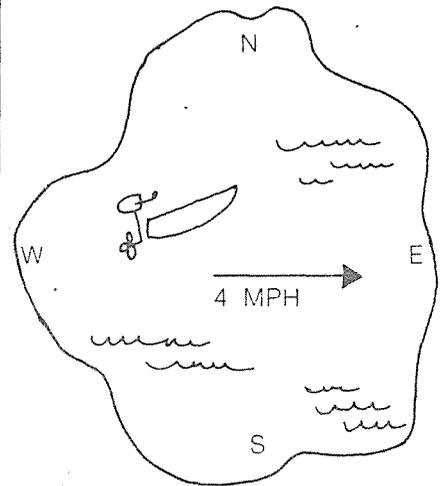


FIGURE 1

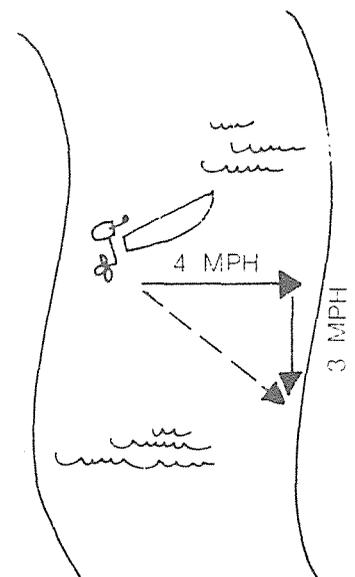


FIGURE 2

diagram of Figure 4. We see that vector addition tell us the resulting motion of A will be in the direction of the dotted arrow and this can only be true if the disc tilts as shown in "after". Notice that the near edge has dropped, as claimed earlier. As confirmation, let's see what's happening at B. Because the disc is a relatively rigid body and we are supporting it at its center (notice that this support need not be supplied by a fingernail but could instead by the aerodynamic lift of a moving disc),

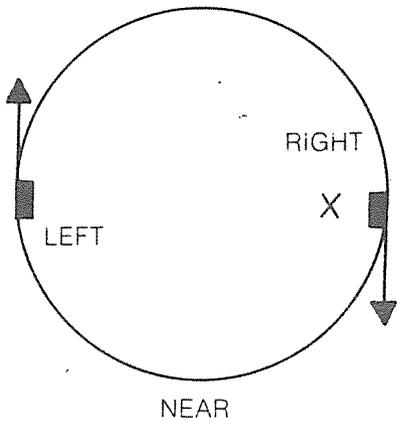
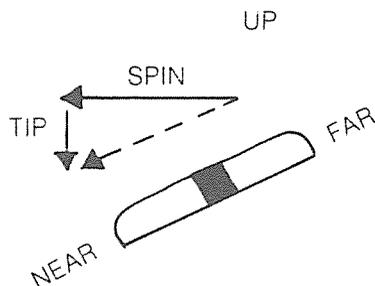
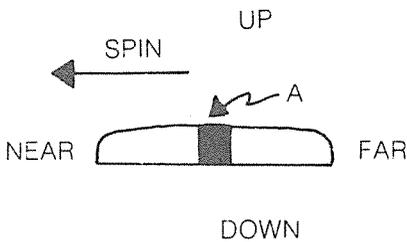


FIGURE 3



VIEW FROM RIGHT

FIGURE 4

pushing down on the right side will have the effect of pushing up on the left. This explains why skipping the disc on one edge has the same effect as topping it on the other. In any case, if we look at the disc now from the left we see Figure 5. Again the vector addition tells us that the near edge must drop.

Notice how the initial conditions (the spin velocity) have appeared so importantly in our analysis. Also notice that this is by no means a proof that the near edge will drop since we have only considered the motion of two special points. It can be shown, however, that any arbitrary point on the disc will contribute harmoniously to the dropping of the near edge and since we're just trying to get a feel for what's going on, we won't go into the additional complications.

We can phrase our results in terms of a rule predicting how a disc, with a particular direction of spin, will react to an upward or downward force on one of its edges. There are many equivalent ways of stating the rule and I have chosen one which, although it prostitutes the physics involved, is easy to remember and work with and preserves a little of the flavor of the analysis we're just done. Here it is:

The effect which the applied force would have produced on a non-spinning disc will be carried by the spin to a point a quarter of a revolution (90 degrees) farther along.

For example, our rule immediately predicts the skipping of a disc whose forward-moving edge touches the ground. An upward force is applied by the ground and the spin "carries" this upward effect on around to the leading edge. As a result, the nose rises and the disc planes upward.

In working out a new freestyle manoeuvre, it is often more convenient to use the converse of this rule. In other words, if you know the attitude you want the disc to take, how do you get it to do it? Just figure out what force you would apply to a non-spinning disc to get the effect, then "back up" 90 degrees against the spin you anticipate and that is where you should apply the force.

But, of course, if a left-hander throws you a screaming BTL sidearm and you want to top it so it will nose up to your co-op partner there's no way you'll have time to say, "Let's see, on a still disc I'd be pushing down the back edge and the spin here is clockwise as seen from the top so, moving counterclockwise 90 degrees from the tail, I ought to touch it on the left edge." That kind of talk is for when you are lying in bed, or eating lunch or sitting in class or whenever you do

your scheming. Simpler rules are needed for when you are out jamming. I just watch which edge the thrower is holding when he releases. This will always be the backward spinning edge, no matter which hand he favors or what type of delivery he uses. Then I know that if I want to top it, I have to top that edge. If I want to roll or guide it, I have to control that edge with my palm. But if I want to skip it off my forearm, I have to touch the opposite edge from underneath. The first and last of these assertions (and of course much more) can be worked out ahead of time using the 90 degree rule. All right, enough. Perhaps in another article we can get into the more elegant physical formalisms designed just for understanding rotating objects (angular momentum, torques, etc.) Until then, here's a homework problem: If a right-handed person throws a sidearm roller straight up and down, why does it curve left? (Hint: Where is the center of mass of a disc?).

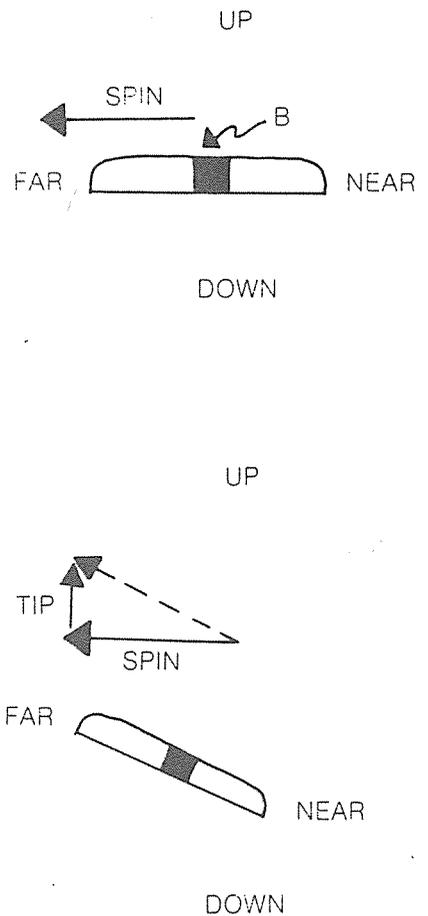


FIGURE 5

HAVE

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HIGH'S.

GAME

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BOOK.

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from



The 1981 North American Flying Disc Series

This coming season will be the sixth year in which the IFA will coordinate a series of national level meets providing a qualification system for the World Frisbee® disc Championships. These events will again be sponsored by Wham-O Mfg. Co. and hosted by local clubs around the country. This year's schedule is particularly interesting because of the addition of four new sites, all of which hold promise of exceptionally good events. Eugene, Oregon; Charlotte, North Carolina; Albuquerque, New Mexico and Cedar Falls, Iowa each have very strong local organizations that should add greatly to the overall quality of the Series. The Cedar Falls meet is of particular interest because it will be held in the huge Uni-Dome which will provide an opportunity for players to set a number of new indoor world records including the first shot at no wind TRC. This event is being held in conjunction with Riders of the Wind, the new field events players' organization.

Another change for '81 is that for the first time, the two Canadian Championship meets will be separated from the

Series and not offering WFC qualification points for Americans. The Vancouver and Toronto meets are however, planned to be bigger and better than ever offering the unparalleled Canadian hospitality and maybe even some of that pretty money. They are also being scheduled so that they will be a convenient stop for touring players.

The 1981 schedule offers 16 meets, each having two "point" events. This number is three fewer than were held in 1980. The primary purpose of this reduction is to free up some of the season's weekends and experienced clubs for the increasing number of new events which are or will be scheduled this year. The Freestyle Players' Association in particular is scheduling a tour of about a dozen events. This year marked the first systematic coordination between the scheduling of the IFA Series and the FPA events in order to minimize the potential date conflicts. The results will certainly be the best schedule of competitive events in the history of the sport.

THE SYSTEM

The five events are Distance, Self-Caught Flight, Freestyle, Double Disc Court and Golf. The events are open to all ages and both sexes. In the individual events, 30 people will score points with first being worth 30, second worth 29 and down to one point for thirtieth. Modified distributions will be used for the cooperative events (Freestyle and DDC) as they were last year.

Distance Golf, SCF	DDC (quarterfinalists)	FREESTYLE (finalists)
1st-30 pts	1st place pair-30 pts ea	1st place group-30 pts ea
2nd-29 pts	2nd place pair-29 pts ea	2nd place group-29 pts ea
3rd-28 pts	3rd place pair-28 pts ea	3rd place group-28 pts ea
	4th place pair-27 pts ea	4th place group-27 pts ea
	5th place pair-26 pts ea	5th place group-26 pts ea
	6th place pair-25 pts ea	6th place group-25 pts ea
	7th place pair-24 pts ea	7th place group-24 pts ea
	8th place pair-23 pts ea	8th place group-23 pts ea
	9th place pair-22 pts ea	
	10th place pair-21 pts ea	
30th-01 pts		

total. For example: Ted goes to Philadelphia, Huntsville and Rochester.

Philadelphia	Huntsville	Rochester
Distance (29) pts.	DDC 0 pts.	Distance 14 pts.
Freestyle (23) pts.	Golf (27) pts.	Golf (24) pts.

The four circled finishes add to Ted's 103 point total. Competitors from the 1980 season should note that the number of finishes considered this year has been increased from three to four. It is anticipated that this system will slightly reduce the number of points per event needed to qualify and will accommodate the diversity of the overall player while still allowing the event specialist a strong possibility of qualification through just one discipline. All of the open U.S. team members will be invited on the basis of this system.

U.S. Women: The procedure for the selection of the U.S. women's team will be identical to that of the open except that it will be based on scoring in the women's division events at the Series meets.

As last year the defending overall champions in both the open and women's divisions will also receive invitations. All invited players will be eligible for all open events at WFC '81. As in past years the signing of a film release will be a prerequisite of entry.

Seniors: The World Championship for senior players has been developed into a separate event for 1981.

Qualification points are available only to citizens of North American countries except by special arrangement. U.S. citizens will qualify as follows for the U.S. team.

U.S. Open: The basic procedure will be the same as last year's. Invitations will be offered to the top scorers based on the total of their best four open event finishes. For instance, a player may wish to specialize and score well in four Distance events or s/he may enter different events and have SCF, DDC and Freestyle finishes counted toward the four event



J.T. Tompkins is not a nationally known player (yet) but he is a familiar face to players of the middle Atlantic Region. An avid freestyle and field event man, J.T. also plays Ultimate with the Washington, D.C. area Frisbee® disc Club. Money currently comes from a construction job and we hear he can paddle a 2 x 4!

J.T. will become the 6th player figure to grace the North American Series discs following Jimmy Scala, John Bird, Dave Marini, Jo Cahow and Jay Beukelman.

Foreign Teams

These players will be selected by their national associations to fill the positions offered by IFA. WFC '81 should include the largest number of foreign teams ever.

WFC

Although plans are not firm yet, WFC '81 will be much like last year's event, offering substantial prize monies and endorsement opportunities for the top players in both divisions.

The Schedule

The following schedule is as firm as possible but as always, changes could unavoidably occur. More details will be available later. Do check with the local contact before making final arrangements to attend any meet. As in '80 preregistration will be mandatory for all events.

March 21, 22

Irvine, CA (Golf, DDC)
IFA, P.O. Box 970, San Gabriel, CA 91776 (213) 287-2257

March 28, 29

Austin, TX (DDC, Freestyle)
Chris Baker, 1007 S. Congress No. 131, Austin, TX 78704
(512) 442 6119

April 4, 5

Santa Barbara, CA (SCF, Freestyle)
Tom Kennedy, P.O. Box 4345, Santa Barbara, CA 93103
(805) 967 0583

April 25, 26

Cedar Falls, IA (SCF, Distance)
Chuck Baumann, 2415½ Olive St., Cedar Falls, IA (319) 277-1878

May 2, 3

Charlotte, NC (Freestyle, SCF)
Dennis Burns, 9720-H University City Blvd., Charlotte, NC 28213 (704) 597 9602

May 9, 10

Albuquerque, NM (Distance, Freestyle)
John Marshall, P.O. Box 40062, Albuquerque, NM 87114
(505) 268-1820

May 16, 17

Chicago, IL (Freestyle, DDC)
John Connelly, 655 Harmony Lane, Glenview, IL 60025
(312) 729-9150

May 23, 24

Philadelphia, PA (Freestyle, Distance)
Jim Powers, P.O. Box 322, Wayne, PA 19087 (215) 873-0559

May 30, 31

Sacramento, CA (Golf, Distance)
Charlie Callahan, 4606 Peter Ave., Fair Oaks, CA 95628
(916) 967 4804

Toronto **NOT NAFDS

Phil Cheevers, 137 Church Street, Apt. 507, St. Catharines, Ontario, Canada L2T 3E3

June 6, 7

Amherst, MA (Golf, SCF)
Daryl Elliott, P.O. Box 333, Amherst, MA 01004 (413) 253-5674

June 13, 14

Huntsville, AL (Golf, DDC)
Tom Monroe, 617 Cleermont SE, Huntsville, AL 35801 (205) 534-2733

June 20, 21

Manassas, VA (DDC, SCF)
Michael Conger, Beverly Farms, Ocean Highway, Princess, MD 21853 (301) 651-DISC

June 24-28

Springfield, MO World Senior Championships
Stephen Smith, 1415 South Pickwick, Springfield, MO 65804 (417) 862-4151

June 27, 28

Springfield, MO (Golf, Distance)
Stephen Smith, 1415 South Pickwick, Springfield, MO 65804 (417) 862-4151

July 4, 5

Eugene, OR (Freestyle, SCF)
Doug Newland, 427 84th NE, Bellevue, WA 98004 (206) 746-0631

July 11, 12

Vancouver **NOT NAFDS
Phil Cheevers, 137 Church Street, Apt. 507, St. Catharines, Ontario, Canada L2T 3E3 (416) 937-1462

July 18, 19

San Diego, CA (Golf, DDC)
Ed Noble, 3910 Adams Ave., San Diego, CA 92116 (714) 281-5483

July 25, 26

Rochester, NY (Golf, Distance)
Jim Palmeri, 28 Werner Park, Rochester, NY 14620 (716) 442-6910

August 24-30

Los Angeles, CA WFC 1981
IFA, P.O. Box 970, San Gabriel, CA 91776 (213) 287 2257

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(WE EXCHANGE MONEY FOR PLASTIC)

108 GRAMS



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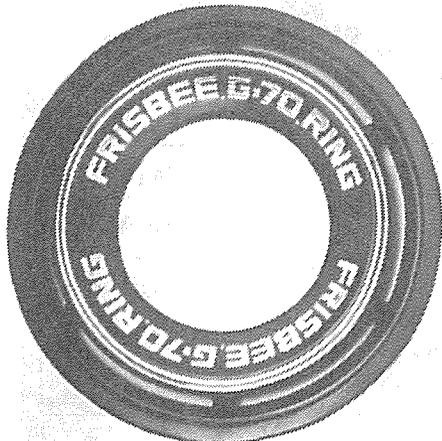
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108 GRAMS



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90 GRAMS



\$3.20

141 GRAMS



\$3.40

165 GRAMS



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AFC '80, 141g WORLD CLASS — \$4.00
(ONLY A FEW LEFT — 141 GRAMS)

AFC '81 WORLD CLASS MOONLIGHTER — \$3.00
(GREAT FOR DISC GOLF — 155 GRAMS APPROX.)

- U.S. 165g WORLD CLASS** \$7.50 (165 grams)
- HDX 80** \$8.50 (165 grams heavy duty)
- 100 MOLD MIDNIGHT FLYERS** \$8.00
- 40 MOLD MIDNIGHT FLYERS** \$8.00 } DISTANCE & DISC GOLF
- (40 « MOLD MIDNIGHT FLYERS WEIGHTS VARY — AVERAGE AT 145 grams)
- FB6 FAST BACKS** \$7.00 (MTA MUST!) (98 grams)
- 110g DDC DISCS** \$6.00 (RED OR BLUE 110 grams)

TEE SHIRTS

- AUSTRALIAN FRISBEE disc ASSOCIATION ... (10, 12, 14, 16, 18, 20, 22)
- ROOBEE Design \$6.00
- Freestylers have Big Discs (14, 16, 18, 20) \$4.50
- Caulfield Closset Jugglers (14, 16, 18, 20) \$4.50
- AFC '80 only a few left (14, 16, 18, 20) \$5.00
- AFC '81 special ¾ length sleeve (14, 16, 18, 20) \$6.00

- BOOKS** FRISBEE BY THE MASTERS \$7.00
FRISBEE, SPORTS AND GAMES \$7.00

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		AIR	SURFACE
up to 250g	50c	80c	50c
250g to 500g	80c	\$1.35	90c
500g to 2kg	\$1.00	\$4.25	\$2.75
over 2kg	\$1.50	\$5.00	\$3.20

	New Zealand		U.K. & Europe		U.S.A.	
	Surface	Air	Surface	Air	Surface	Air
up to 500g	\$1.50	\$4.50	\$1.50	\$7.50	\$1.50	\$7.00
500g to 1kg	\$3.00	\$5.50	\$3.50	\$12.50	\$3.50	\$11.00
1kg to 1.5kg	\$4.00	\$7.50	\$4.50	\$17.00	\$4.50	\$15.00
1.5kg to 2kg	\$4.00	\$8.50	\$4.50	\$22.50	\$4.50	\$20.00
each extra kg after 2kg	\$1.00	\$2.00	\$1.50	\$5.50	\$1.50	\$5.00

Overseas orders must be in AUSTRALIAN DOLLARS
Any overseas order under A\$10 has a \$1.00 packing and handling fee.

