

# Lichstein's Ball Reaction Guide

THIS CHART was compiled by Larry Lichstein based on his observations as PBA player services director. His conclusions about the characteristics of various balls are shaped mostly by the somewhat esoteric sphere of the PBA tour. Ball speed, axis tilt, revolutions, angle of attack, lane conditions, humidity, temperature and many other factors all have a bearing on the behaviour of any ball after it leaves the bowler's hand. Furthermore, the list is necessarily limited to the balls used most often on tour. Suppliers sell many other balls, one of which just might be best for you.

BALL BRAND	PRICE*	COVER	HARDNESS**	GENERAL COMMENTS
AMF Angle	3	Soft urethane	76-79	Any bowler can use this black ball on oily or semi-oily conditions. A very popular ball on tour last year.
AMF SPX	2	Soft polyester	78-80	Designed for better hooking power on any condition, but especially oily lanes.
Classic Pro Roll	1	Hard rubber	84-86	Popular black ball for the average bowler, especially on league conditions. Three dots are good learning aid.
AMF Strikeline	1	Hard polyester	80-86	General purpose ball for most league conditions. Good for bowlers of average ability.
Brunswick LT-48	2	Soft Rubber	72-82	One of the best balls on heavy oil. Good when bowler is looking for more hooking power with accuracy.
Brunswick Charger	2	Medium rubber	75-85	Semi-porous burgundy cover for controlled hook characteristic. For medium oil to second shift conditions.
Brunswick Edge	3	Soft urethane	72-80	Tremendous hook power for good strike action. Use mostly on medium to heavily oiled lanes.
Crown Jewel	1	Hard polyester	80-88	Originated in late '70s; newer model good for anyone on medium to lightly oiled lanes.
Columbia Yellow Dot	2	Soft polyester	75-80	Good for all conditions, especially slick to semi-oily lanes. Most popular on tour ever the last seven years.
Columbia White Dot	1	Med.-hard polyester	78-83	Excellent dry lane ball for bowlers of all averages.
Columbia Orange Dot	2	Medium polyester	76-82	Has additives for use on heavily dressed lanes. Heavy shell and light core for more driving power.
Ebonite Mag 11	2	Soft poly/urethane	77-82	Brown ball good for use on medium to oily lanes. Earl Anthony used it to go over a million dollars.
Manhattan Rubber	2	Soft rubber	78-82	Use on medium to oily conditions. A black ball with good reaction on all but very dry conditions.
Ebonite Mag 12	2	Soft urethane/poly	78-81	Purple ball good for all bowlers on dry to medium conditions. Good for spares because does not overreact.
Ebonite Gyro I	2	Soft polyester	77-82	Good on dry to medium lanes for controlled hook action. Some pros sand it. The green ball Wayne Webb uses.
Ebonite Mag 10	2	Soft rubber	75-82	Black ball with very porous surface. Good reaction on oil.
Gem Tek Phoenix	3	Urethane	78-80	Copper ball with good rolling action on oil. Most of weight concentrated towards cover for better tracking.
Gem Tek Pro Line	2	Soft polyester	78-80	Blue ball which goes long. Best for hooking to medium conditions. A good ball for a cranker.
Roto-Star UC2	3	Urethane	78-80	Blue ball goes long for better control on a light to dry condition with heavy head oiling.
Roto-Grip	2	Soft Polyester	72-82	Anyone can use; ball goes long. Best on medium to oily lanes. Has additives for better tracking.
Roto-Star SR	2	Hard rubber	88-92	Non-porous ball with long skid characteristic for lanes with less oil or dry head area.
Roto-Star RC-5	2	Soft rubber	72-82	Black porous rubber ball which works better on lanes with a controlled head condition.
Roto-Star X2	2	Medium rubber	83-85	Good for most lane conditions except for extreme oil. Ball has a long roll characteristic.

\* General Retail Range — (1) Less than £30; (2) Between £30 and £50; (3) Over £50.

\*\* Temperature and humidity can drastically alter actual durometer readings.

# Ted Says . . .

In the absence of the usual mass of news submitted, you will have to suffer another ear bashing from me. There is a way to stop me and that is to simply put pen, or if you are not allowed to play with such a sharp instrument, a crayon, to paper and I will be only pleased to keep my opinions to myself. But you must be gluttons for punishment.

It is my opinion that Tenpin bowlers are INSULAR. NOT because you do not communicate with me, it's because you do not communicate with each other, or generally with the outside world. A bowling centre on average has 20 plus leagues. How many times do you challenge each other to a match? Lay on all the goodies, a few sarnies, make a night of it, make new friends, meet a few old ones who you thought had dropped out of the sport because they had stopped bowling in your League. "Hello" you say, "I thought you had given the game up".

There are a few exceptions. The Walton-Dagenham Challenge. A few leagues have presentation nights. But it is seldom the case when several leagues combine their efforts and make a grand presentation night. Social Secretaries that's what we need, SOCIAL SECRETARIES. Who would like to be the SEBA SOCIAL SECRETARY?

WANTED — A SEBA SOCIAL SECRETARY to end our isolation. The qualifications required are tireless dedication, unselfish devotion, and no expectations of any rewards or praises. The main task will be to organise social events for our Association.

For the rest of our problems of being insular, well ponder this. A few weeks back when it was announced that the World games for non Olympic sports was to be staged in this country in 1985, the BBC news reader asked a question, "Fancy winning a gold medal in Tenpin Bowling?". That's how far the outside world think we have come in 21 years plus of Tenpin Bowling in this country. Is it my imagination that our sport is insular? Or am I right?. How many national newspapers carried reports of the World Championships in Venezuela? I could only find the results in one, the Daily Mail. How many reports have you read of the success of CHRIS BUCK and ALAN FAWCETT? What have we been doing as a result of this lack of coverage? IN ONE WORD — NOTHING!

Well that is not quite true, there are plenty of people working to maintain good order within the sport as Local Association Secretaries, League Secretaries, County and League Officials but the sport has not received the publicity it deserves. The onus should not be placed solely at the door of the player. The Proprietors share their proportion of the blame. Their task is to run an INDUSTRY and no one denies them that, but — their industry is our sport and when proprietors stage unsanctioned tournaments it does not do the credibility of the sport a good in the eyes of the players. It fosters a belief that there is a "us and

them" complex, where in fact one does not exist. The proprietors by definition should be in commercial competition with one another, and it would be good for the sport if they were, for they would be trying to outdo each other in promotions. They would be outside bowling trying to attract bowlers on to their lanes. NATIONAL ADVERTISING to help end our isolation. The National Ten Pin Bowling Council have a golden opportunity with the 1983 World Championship results, and the 1985 games to beat the media around the head and body with Tenpin Bowling, and correct the insult we suffered at the hands of the BBC of "Fancy winning a Gold Medal at Tenpin Bowling?"

In the last issue I expressed my opinions of UNSANCTIONED Leagues and Tournaments. I support my views. I learned recently that a 175 average bowler had scored his first and possibly his only 300 game at Sunderland. Incidentally it would have been their first sanctioned 300 game. BUT THE LEAGUE WAS NOT SANCTIONED.

My congratulations to RAN VIPOND.

No doubt the BTBA will again suffer when the official recognition is refused, but it's not their fault. It's the **berk** that failed to sanction the League. The quicker he or she leaves our sport the better!! Ran Vipond has my full sympathy for he is the one being made to suffer by not being included in the roll of Honour. Take heed all you **non sanctioned nerks**, it can and will happen to you if you don't **sanction** with the BTBA.

## ROB'S RODS Angling Centre

### SPECIAL PRICES ON KUNNAN RODS

Carp Rods	96%	Match Rods	70%	96%
10 ft	£60.00	12 ft	£55.00	£65.00
11 ft	£65.00	13 ft	£55.00	£70.00
12 ft	£70.00	14 ft	£60.00	£75.00

### FLOAT RODS

12 ft Rob's Rod's Special—Carbon Wagglers rod with Fuji rings	£59.50
13 ft Rob's Rod's Special—Carbon Wagglers rod with Fuji rings	£62.50
12 ft Sportex Carbon—Fuji rings	£55.00
13 ft Sportex Carbon—Fuji rings	£55.00

	Standard tip	Spliced tip	Two tip
12 ft Normark Carbon	£66.00	£77.00	£93.00
13 ft Normark Carbon	£75.00	£80.00	£108.00

### LEGER RODS

11 ft Rob's Rod's Spliced-Tip Feeder rods. Heavy or light models	£36.50
9 ft 6 in Carbon Leger	£45.00
9 ft 6 in Ground Carbon Quivertip	£48.50
Special Wand	£22.50

### CARP RODS

Conoflex Glass—All T/Cs/Fujis/Conospin handle	£37.50
Conoflex Carbon—All T/Cs/Fujis/Conospin handle	£51.50
Normark Carp—PHONE FOR BEST PRICES	

### THIS MONTH'S SPECIAL

New Sundridge Umbrellas only £17.50

Postage: Add £2.50 for each rod (or umbrella). If Securicor delivery required please ask for quote.



10% Discount for B.T.B.A. members  
**ROB'S RODS**  
Angling Centre



287 Portland Road, South Norwood  
Tel: 01-656 9123

# 200 • 500 • 550 • 600 Club

## Latest List of Club Members

### 200 CLUB

Tony Peeling	CLIF	256
Steve Drury	CLIF	206
David Head	CLIF	223
David Kingsland	CLIF	211
Henry Bing	CLIF	209
Les Ware	CLIF	203
Frank Boydon	CLIF	204
Irene Dummett	CLIF	221
Graham Holland	CLIF	215
Mick Costin	CLIF	212
John Terry	CLIF	204
Allan Clearly	CLIF	203
Rosemary Wheatley	BAS	210
Paul Thomas	BEX	201
Susan Thomas	BEX	202
Steven May	BEX	240
Eric Frankland	BEX	201
Stevie Summers	S/END	214
Denise Burton	BAS	202
Lil McNamara	BAS	210
Julie Wood	BEX	200
Carol House	BEX	230
John Williams	BEX	202
Vivienne Spires	BAS	219
Gary Beck	S/END	204
June Evans	WHIT	204
Barry Denne	BEX	203
Clive Bentley	BEX	210
Peggy Hammond	BEX	205
Daren Phillips	BEX	214
David Petherick	BEX	213
Maureen Denne	BEX	206

Jack Denne	BEX	209
Kimberley Eve	S/END	202
Kathie Carnall	BEX	200
Jean Rodgers	BEX	220
Margaret Shrimpton	BEX	221
David Brewer	BAS	209
Mark Kane	BEX	220
Brian Griswood	BEX	203
David Summers	S/END	226
David Button	S/END	214

### 500 CLUB

Joyce Covus	CLIF	507
Irene Dummett	CLIF	518
Beryl Turner	CLIF	510
Susan Thomas	BEX	511
Stevie Summers	SOU	561
Lil McNamara	BAS	531
Julie Wood	BEX	556
Carol House	BEX	515
Beryl Drury	BEX	537
Maria Foreman	WHIT	500
Peggy Hammond	BEX	574
Elaine Lodge	BEX	501
Jan Cormack	DAG	539
Kathie Carnall	BEX	506
Marge Lazarus	DAG	583
Connie Vaughan	BAS	510
Jean Rodgers	BEX	585
Mandy Bullock	BEX	505
Margaret Shrimpton	BEX	501

### 550 CLUB

Steve Drury	CLIF	560
Peter Rogers	CLIF	574
Larry Saunders	CLIF	587
Paul Hinch	BEX	564
Richard Falconer	BEX	579
Pauline Denham	WHIT	566
Stevie Summers	S/END	561
Julie Wood	BEX	556
Gerry Bakes	WHIT	574
Steve Bentley	WHIT	567
Peggy Hammond	BEX	574
Stephen Munn	BAS	571
Marge Lazarus	DAG	583
Jean Rodgers	BEX	585
Mark Arrowsmith	S/END	558
David Summers	S/END	558

### 600 CLUB

Tony Peeling	CLIF	603
Mick Chapman	CLIF	613
David Head	CLIF	619
Dave Miles	CLIF	612
Peter Rogers	CLIF	604
Chris Smith	CLIF	602
Don Turner	CLIF	628
Ron Mason	CLIF	604
Mick Costin	CLIF	601
Jill Baldwin	CLIF	634
John Cudmore	BEX	613
Richard Smith	BEX	633
Lyn Purcell	WHIT	624
Trevor Myhill	WHIT	636
Roger Evans	WHIT	618
Denis Collings	BAS	613

## THE BOWLING INSTRUCTOR...



"You won't be losing a daughter, Daddy—you'll be gaining a bowling instructor!"



"You'll notice an improvement in your bowling immediately—got a pair of scissors?"



"You don't have to teach me to become a 180 average bowler—just show me how to keep the ball out of the gutter."

# Area Hi's

<b>5 Person Team 3 Games</b>	R.A.F.A.	WAL	2677
<b>5 Person Team 1 Game</b>	CHESSMEN R.A.F.A.	BEX	999
		WAL	643
<b>4 Person Team 3 Games</b>	No application		
<b>4 Person Team 1 Game</b>	No application		
<b>3 Person Team 3 Games</b>	No application		
<b>3 Person Team 1 Game</b>	No application		
<b>Men's Doubles 3 Games</b>	No application		
<b>Men's Doubles 1 Game</b>	No application		
<b>Mixed Doubles 3 Games</b>	LYN PURCELL/ROGER EVANS	WHI	1110
<b>Mixed Doubles 1 Game</b>	KATHIE & STEVE CARNALL LYN PURCELL/ROGER EVANS	BEX	412
		WHI	401
<b>Men's Singles 3 Games</b>	BOB POTTS	WHI	687
	BOB POTTS	WHI	678
<b>Mens Singles 1 Game</b>	GORDON PHILLIPS	BEX	275
	BARRY DOWNING	BEX	267
<b>Ladies Singles 3 Games</b>	SHEILA WHITE	BEX	623
<b>Ladies Singles 1 Game</b>	DAWN STANLEY	WHI	234
<b>Ladies Doubles 3 Games</b>	No application		
<b>Ladies Doubles 1 Game</b>	No application		
<b>Juniors 3 Games</b>	MIKE CLACK	DAG	647
<b>Juniors 1 Game</b>	MIKE CLACK DARREN PHILLIPS	DAG	295
		BEX	229



**A Merry Christmas**  
 and a  
**Happy New Year**  
 to all our readers and contributors

