

ISSUE: 23

Non-Linear Handicapping

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INLAND EMPIRE INSTITUTE



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Editor

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Please address any questions or comments you wish to make directly to Dr. Sartin to this address. Please include a self-addressed, stamped envelope if you wish a personal reply. Any books, manuals or computer programs should be ordered directly from PIRCO.

Howard G. Sartin, PH.D.
Founder and Chairman of the Board



A NOTE FROM THE PUBLISHER.

As you read this, I should be in Oklahoma celebrating another birthday and getting another cowboy suit from Drysdale's Western Store, an annual gift from "The Hat," and his wife LeRoy. She's actually Louise; Jim named her after that side-man in Bob Wills' Texas Playboy band.

My daughter is anxious that we correct a few misapprehensions concerning the house I purchased in Bellingham, Washington, just two miles from an off-track betting center. This purchase is intended as a second home; what is popularly known as a getaway home. It will be used as a vacation place and a hostelry from which we can ultimately find a temporary retirement home prior to the cemetery that will serve as a final retirement home.

The office stays in Beaumont. Jay is key to our operation and she has not indicated any burning desire for the Pacific Northwest. Her mother, Gloria, is becoming more and more important to our little organization every day. So, trips to Beaumont will be mandatory for you devoted classroom attendees.

Pacific Northwest clients can also expect some Summer classrooms up there. The distance between Seattle and Bellingham is about the same as that from the L.A. Metro area to Beaumont. We'll see if clients up there show the same enthusiasm as has been shown by Southern California clients, because I'm not going to go to Longacres with an off track center two miles away. I'll also be able to wager at that other Northwest gold mine, Exhibition Park in Vancouver, B.C., just 28 miles away from Bellingham.

Someday, especially if gasoline prices keep on soaring, we may contract for a meeting place near the Ontario or Burbank Airport. This will make us more accessible in Southern California. Also there are direct flights to and from Bellingham.

If EVERYONE starts doing as well with the KGEN as those who are reporting to us, all this may become academic. Failing that, the upcoming EXDC with New Improved KGEN (sounds like a soap ad) should give us our one thousand bonafide, consistent winners within two years.

When that happens, who needs me? I can retire and write MY book.
Title: "The Reluctant Guru."

* * * * *

A number of you have called the office asking for information regarding the Sartin Master Class in Handicapping project by Editor Schmidt and Michael Pizzolla. Like the workshops in Seattle, Chicago and elsewhere, this is not an official Pirco event and, though Dick and Michael offered, we will accept no money for it. Please understand, we're not opposing it, we're just not sponsoring it. Both Dick and Michael will earn every penny they get. I have NO QUALMS about it being a technical success. I've monitored Dick quite closely and I have NEVER seen a week when he did not seriously improve his bankroll. I will offer one serious warning, however. Those who fail to adhere STRICTLY to Schmidt's money management guidelines, those who chicken out at the moment of truth, will have only themselves to blame if they leave poorer than when they came.

I have suggested to Dick that he make all attendees sign a contract agreeing to the terms he outlined in his *Follow Up* article regarding the event. Michael, the attorney, can draw it up nice and legal.

So, you'd better be damned serious if you sign up. I sincerely feel that the biggest lesson you will learn from this Masters Series is that you ALREADY have the handicapping skills to win, but it's your attitude and money management that are keeping you from the kind of success that I see Schmidt attaining every week. (Editor's Note: Michael and I couldn't agree more.)

If you attend because you're secretly looking for a high priced, one-week tout service, shame on you. You'll have a week of glory and then be back where you started. Dick and Michael will teach you how to fish and to capitalize on the profits of your catch. They are not out to sell you THEIR CATCH!

* * * * *

Daughter Mary asked me to address one more confusion left over from last issue. It concerns mention of a discount on the cost of Energy at the Oklahoma Seminar. The price of ENERGY! 6.75 is NOW \$675. The cost includes KGEN on the menu of the same disc along with ENERGY! So the \$500 offer at the Oklahoma Seminar WAS the discount.

95% of our ENERGY! Clients who are fulfilling their contract, are winning as prescribed. The other 5% are being diligently worked with. The LOSERS are NOT reporting to me and, for the most part, are NOT *Follow Up* subscribers. They are doing things like using every horse in the race, entering top Racing Form Consensus horses only; using THEIR OWN variants, altering pace lines - subtracting or adding ticks here and there - etc., etc. They are closet velocity buffs and should GO BACK to velocity. They lied to me in getting ENERGY!. They are continuing to lie by misusing the program and failing to send in reports so that we can correct their erroneous ways. In short, they are "Horseplayers" and should get OUT of the Methodology and make room within our thousand bonafides for a few of those very serious EXPO '90 attendees who are waiting to get IN.

You may well be asking, "How does he KNOW about these recalcitrants?" Well, we have several hundred very serious winning ENERGY! clients who feel

that having the program is a privilege and that keeping to their contract is a matter of honor. They are an elite group. When they see an impostor who uses ENERGY! improperly, they try to help. But when they learn that the person is not reporting and not a *Follow Up* subscriber, they turn their backs. They are prompted by loyalty to the principles of PIRCO to report their observations to me. They are not snitches. They are fellow Unicorns demanding purity.

* * * * *

I recently took my annual sojourn to Del Mar, which has become my all-time favorite track. As per last year, I was the front row box seat guest of client Jay Elliott. Again, Elliott's readouts, augmented by his charming and insightful wife, provided a juicy \$16.20 winner in the first race (I had left him out but when I came home and entered the horse, it came up on top.) and a \$7.60 place horse I had overlooked in the third. Between us, we swept the non-maiden card, win and place, plus two absolute locks to show.

Author William Murray, in the next box, gave us a tip on a dead crab for a \$16.80 place horse in the 7th race that keyed a \$118.20 \$2 Exacta. The horse is named Just Deeds. The winner was the class horse of the day. It should be on Brohamer's "horses to watch" list. Name: Corwyn Bay. It was demon in Europe and will be heard from again over here.

I also got a chance to visit between races the formidable team of Ron & Jan Ross and Marion Jones. Turns out that Just Deeds also figured on their readouts, so Murray's tip was given proper respect. Hit of the day was a \$29.80 win by Caesar Eduardo back after a years layoff from "stakes" races in Caliente. His PP's demonstrated that he ran well after a layoff. His numbers were tops, but the layoff and Caliente kept the bettors away in droves. The horse is actually an old southern California circuit campaigner who went south of the border for an ego builder. Marion Jones provided the rationale for accepting a Caliente horse: all of the other horses in the race were sore legged dogs. So, a fresh speedster with some back class and outstanding figures had as much chances as any of the false favorites. The favorite placed and the Exacta paid \$98.20. As always, Marion had it more times than I. All in all, designated place horses paying \$10.40, \$20.20, \$7.60, \$16.80 and \$7.60 came in as bet and keyed some great exactas, highlighting a most profitable day.

Who is the money management expert that said "Never bet longshots to place or show - always to win?" Not one of our place horses had a prayer of winning. The actual winner's figures were too strong. Del Mar has always been the summer proving ground for our 55% *Solution* manual. Please, all of you afflicted with the Hertz complex, take note. An Avis mentality can cure a lot of financial woes.

The Dynamics of Non-Linear Handicapping Part I

by Doc Sartin and Jim Bradshaw

First, to better understand non-linear handicapping, let's define what we mean by linear handicapping:

LINEAR: "Involving a single dimension. The first degree with respect to one or more variables. Having or being a response or output that is directly proportional to the input. Based or dependent upon sequential development."

In short, the above describes every published handicapping procedure ever evolved to date. A one ranking is superior to two, two is superior to four, etc. Look through Wm. Quirin's excellent texts on computer discoveries in contemporary handicapping. All his findings are based on linear regression.

Here is how author Mark Cramer describes linear handicapping via the computer:

Heretofore, most handicapping programs have been simply additive (you could do them with paper and pencil). These misguided programs have functioned with the idea that the total is indeed the sum of its parts.

Recently, though, this devil's advocate has had to sit up and take notice of two gentlemen who have come up with computer programs that are not additive and do not pile on factors meaninglessly.

There are the programs of Dr. Howard Sartin. Based on pace handicapping, Sartin's work functions with the idea that the answer is less than the sum of the parts. Sartin has battled with complexity and thereby acquired the wisdom to reduce things to simplicity.

*Courtesy Mark Cramer & Win Magazine.

In the area of the physical sciences, Einstein was the first notable entity to eschew linear dictum. As a result, an entire new brand of physics emerged. In the behavioral sciences, Kohler, Koffka and Levine conceived a psychological school known as Gestalt, which also defied linear concepts in learning and personality development. Gestalt loosely translates from the German to "The Whole." Their thesis -

"The integrated whole constitutes a functional unit with properties that are not derived from the summation of its parts." i.e. The whole is either greater or less than the sum of its parts.

Einstein's relativity concepts incorporated what became known as the "fourth dimension." This being TIME - or the time coordinate in a space-time continuum. Ironically, time is the first dimension in linear handicapping procedures. As with many other comparisons, horse race predicting goes counter to conventional scientific hypothesis. This polarity might be viewed as a handicappers chief pitfall, or it can be utilized as its optimal strength. The answer lies in what Einstein called relativity.

In non-linear handicapping all times relative. Time is the first dimension. Non-linear formulae translation into Kinetic Potential becomes the fourth. Horses are powered not by combustible fuel as is an automobile, train or airplane. Theirs is an internally powered kinetic engine. Kinetic Energy is the sum of the force and energy associated with physical bodies. Hence the entire physiology of the horse is involved. This includes its brain and its emotions. Enter Gestalt. As handicappers, we cannot communicate with horses through verbal language. Most of us are not adept at interpreting equine body language. Those who claim to be still have great difficulty in utilizing that elusive skill to actually pick winners.

Thus we must depend on the handicapper's universal information source, the *Daily Racing Form*. *Racing Form* times, as published, will NOT reveal Kinetic Potential. Jim and I experimented for three years seeking a Kinetic Potential formula. We came close; the results were positive. We called our formula DC/V. We almost went with it until one day in Chicago when an engineer working as a consultant to NASA in Houston named Charles Cockrell approached us. He was very shy, almost apologetic, as he presented us the extrapolation formula we had been seeking.

It remained for Jim to interpolate and incorporate this intricate formula into a viable handicapping tool. It took several months of flying Cockrell back and forth from Missouri to Tulsa to complete the task. I then went to Tulsa and the "Hat" and I began the tedious job of honing the formula into a positive predictor. This involved testing 2,800 races of all distances throughout North America.

The process required that we create a graphics program totally independent of any outside software. I refuse to let this Methodology be dependent upon anything that is not indigenous. All the professional computer programmers told the "Hat" that this could not be done. What we sought was impossible. That's all Jim needed. He not only proved them wrong about the graphs themselves, he went one step further and put them into full color, another presumed impossibility.

Most of our clients and a large percentage of our charter and teaching members are linear thinkers. This is to be expected and carries no stigma. All of our educational processes have been linear. However, it does not require non-Linear thinking to utilize a non-linear handicapping procedure that has been reduced to computer algorithms. The chief problem facing linear thinkers will lie in believing and acting upon non-linear output. This factor has been the downfall of those few clients who have failed with ENERGY! The problem is that they seldom send me their ENERGY! reports, per contract, and thus keep cursing the dark. Most of them focus on ENERGY'S linear readouts, namely the sort and Total Energy, and as a consequence deny themselves the effectiveness of the programs non-linear readouts.

At the beginning of the Saratoga Seminar Workbook, we presented three consecutive races from Aqueduct that demonstrated the effectiveness of non-linear handicapping. Two of those races are prime examples of non-linear algorithms. One was an exercise in magic. Here is the Saratoga presentation direct from the work book.

Anatomy of 2
Horse Races
Getting the Long Shot

Contenders are entered based
on their SPEED RATING
(Final Time)
Relative TO THE field!

We averaged the last TWO
speed ratings for each horse
The MEAN AVE. is 73.5

The KGEN, Like no other
program, analyzs a race
based on a horse's innate,
often hidden ability.

The program asks you to
limit beaten lengths
ANY CALL to 9.

The BOTTOM LINE is
By the specific standards of
KGEN, DANCE Qualifies!

Before the Albany Saratoga KGEN Demonstration, I told the assembly to prepare to have their credulity severely tested and that I expected a lot of intellectual and emotional resistance to the Program's Output. I tried easing the conditioning process by paraphrasing Hamlet:

There are things within this program, dear client, that are not even dreamed of in your philosophy.

RACE

#1

KINETIC GENERATOR

Race: AQISEM Dist = 6.0 FURLONGS Comments: SEM

Name	Total	Hidden	ENERGY FACTORS				ESP Type
			Fx	Med	Lex	3rd	
MAD	160.44	64.61	66.56	68.39	31.61	30.96	Sustained
MAD/2	161.63	65.44	66.62	67.75	32.25	31.97	Sustained
MARTI	164.21	65.06	66.22	69.06	30.94	31.45	S/P Presser
RED	164.21	64.17	65.94	70.25	29.75	30.26	Early
BRAZ	160.53	63.29	66.57	69.70	30.30	29.68	Early
SUSIE	160.25	64.17	66.57	68.77	31.23	30.52	S/P Presser
DAN/L	165.62	65.35	66.35	68.94	31.06	32.00	Sustained
DAN/2	163.77	65.26	66.47	68.52	31.48	31.85	Sustained
DAN/3	162.24	64.98	66.38	68.58	31.42	31.33	Sustained

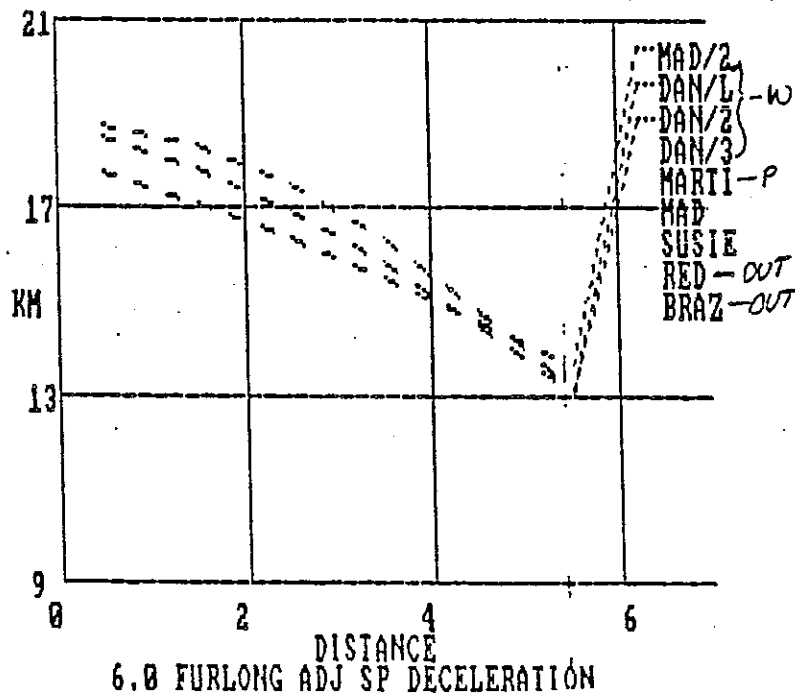
DISTANCE TODAY 6.0 FURLONGS

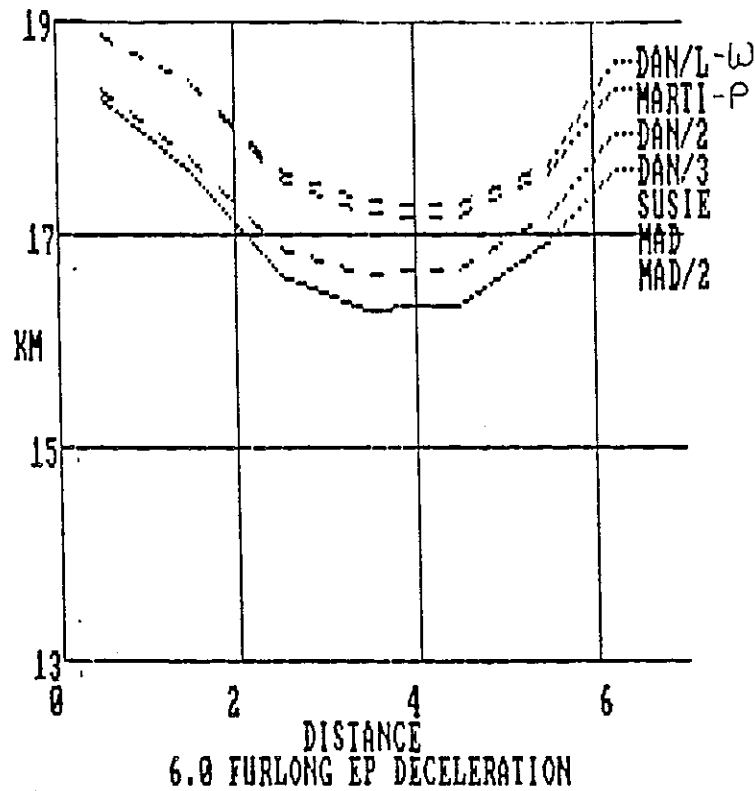
KINETIC POTENTIAL FOR 1/2 FURLONG

MAD	19.05	18.51	17.94	17.35	15.72	14.00	13.28	12.55	11.82
MAD/2	17.93	17.62	17.29	16.94	15.97	14.93	14.48	14.02	13.55
MARTI	18.98	18.91	18.70	18.36	16.92	14.96	14.01	12.99	11.92
RED	20.49	20.36	20.02	19.47	17.16	14.12	12.70	11.23	9.74 X
BRAZ	21.47	20.44	19.39	18.33	15.64	12.97	11.93	10.91	9.92 X
SUSIE	19.77	19.08	18.35	17.61	15.64	13.62	12.79	11.97	11.15
DAN/L	18.86	18.75	18.54	18.24	17.03	15.41	14.63	13.79	12.91
DAN/2	18.64	18.40	18.10	17.74	16.53	15.07	14.40	13.70	12.96
DAN/3	18.74	18.49	18.15	17.74	16.32	14.59	13.79	12.95	12.08

<-----> <-----> <----->

Ekp Mkp Lkp



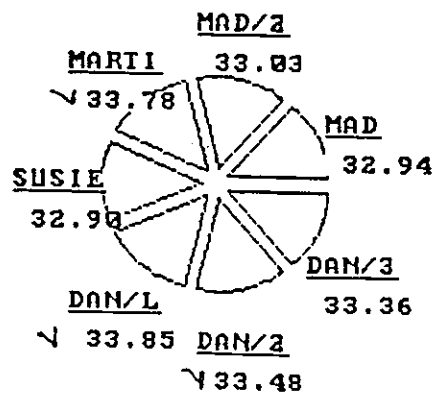


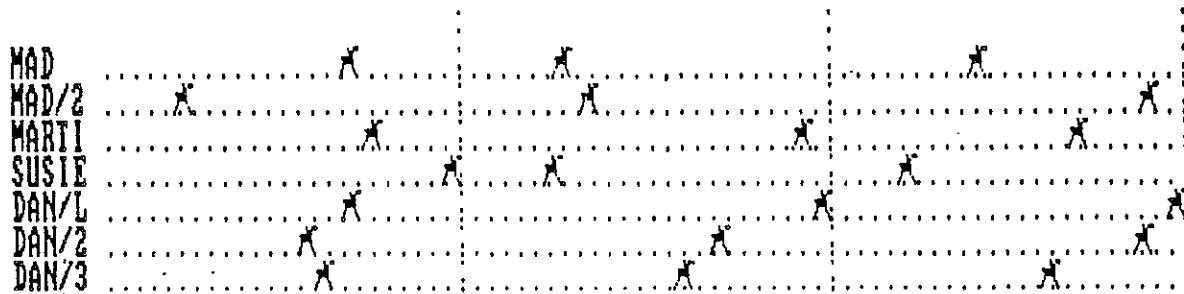
DISTANCE TODAY 6.0 FURLONGS

Variegate is Sustained ✓

DECELERATION FACTORS FOR EACH FURLONG

MAD	6	0.091	0.106	0.121	0.135	0.150	0.165	0.182
MAD/2	6	0.054	0.063	0.072	0.080	0.089	0.098	0.174
MARTI	6	0.013	0.057	0.102	0.147	0.192	0.237	0.188
SUSIE	6	0.115	0.130	0.145	0.161	0.176	0.191	0.188
DAN/L	6	0.019	0.052	0.086	0.120	0.154	0.187	0.187
DAN/2	6	0.040	0.064	0.087	0.110	0.133	0.157	0.183
DAN/3	6	0.043	0.073	0.103	0.133	0.163	0.193	0.184
		<----->		<----->		<----->		<----->
		Edec		Mdec		Ldec		Kdp





CHARTS/Saturday

Copyright 1990 by Triangle Publications, Inc.

Saturday, March 10, 1990.

Weather, cloudy, track, fast.

FIRST—\$17,000. 6 f. F&M. 4-yr. Cl. (\$25,000-20,000). Off—1:00. Time—22 $\frac{1}{4}$. 47
1:13 $\frac{1}{2}$. Winner—Dk B Or Br F 4 By Marshua's Dance-Dancefir. Trainer—B. Levine.

Horses	Wt.	PP	$\frac{1}{4}$	$\frac{1}{2}$	Str.	Fin.	Jockeys	St.	Pl.	Sh.	Odds
6-Dancehall Jane	113	6	3	3 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	Bruin	29.00	12.00	4.60	13.50
2-M'linodanceslao	110	2	1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	Toscano	—	6.40	3.20	4.40
1-Madeline's Girl	117	1	6	5 $\frac{1}{2}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	Smith	—	—	2.60	2.40
Susie's Gray Days	114	5	5	4 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	Lovato	—	—	—	5.40
Redaville	109	3	4	6 $\frac{1}{2}$	6 $\frac{1}{2}$	5 $\frac{1}{2}$	Lydon	—	—	—	3.80
CanlCatchDoreen	117	7	7	7	7	6 $\frac{1}{2}$	Arellano	—	—	—	5.20
Brazilian Queen	115	4	2	2 $\frac{1}{2}$	5 $\frac{1}{2}$	7	Fell	—	—	—	6.20

Exacta 8-2 Paid \$149.80.

OTB—F-27.40 11.40 4.20. 8-6.00 3.00. A-2.40. Exacta-142.20.

RACE
#2

KINETIC GENERATOR

Race: aq2sem Dist = 6.0 FURLONGS Comments: sem

287

ENERGY FACTORS

Name	Total	Hidden	Fx	Med	Lex	3rd	ESP Type
SOC	160.71	63.99	66.34	69.71	30.29	30.34	Early
KINK	159.65	64.29	66.54	68.97	31.03	30.74	S/P Presser
FOREV	163.70	64.29	66.58	69.80	30.20	31.17	S/P Presser
FOR/2	162.28	64.74	66.34	69.29	30.71	31.24	S/P Presser
FASH	158.73	64.76	66.74	68.11	31.89	31.32	S/P Presser
LITTL	157.61	63.82	67.91	67.64	32.36	31.43	Sustained
DANC	159.17	63.85	66.29	69.56	30.44	30.00	Early
MUSIC	162.70	64.77	66.20	69.49	30.51	31.17	S/P Presser

DISTANCE TODAY 6.0 FURLONGS

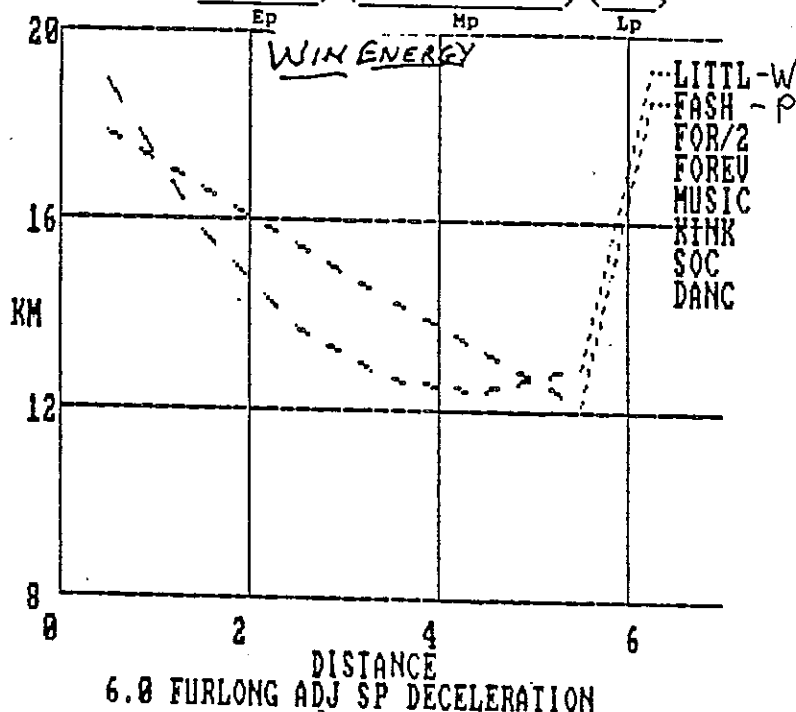
Variegate is Presser

DECELERATION FACTORS FOR EACH FURLONG

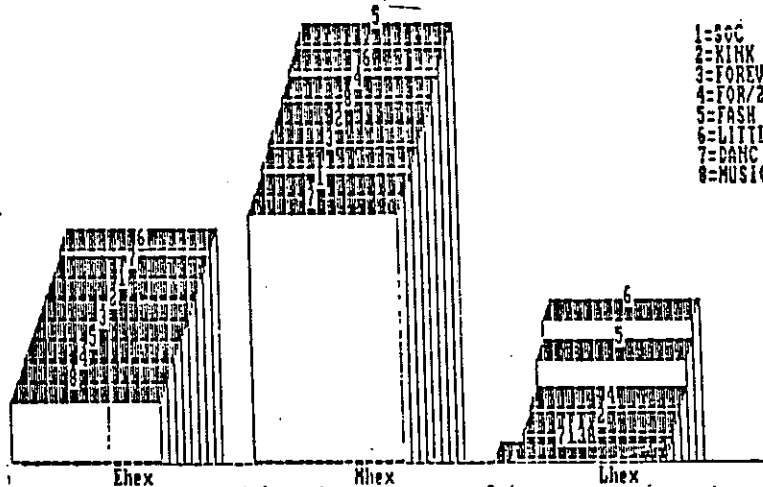
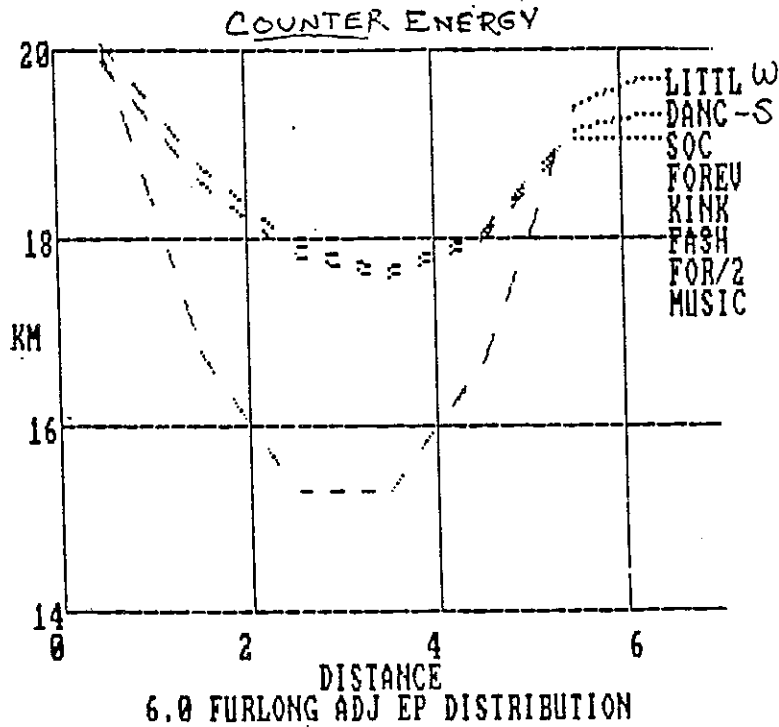
		Edec	Mdec	Ldec	Kdp
SOC	6	0.086	0.122	0.158	0.193
KINK	6	0.102	0.119	0.136	0.154
FOREV	6	0.113	0.129	0.144	0.160
FOR/2	6	0.047	0.081	0.116	0.150
FASH	6	0.101	0.103	0.105	0.108
LITTL	6	0.316	0.233	0.151	0.068
DANC	6	0.086	0.124	0.163	0.201
MUSIC	6	0.027	0.073	0.119	0.165

KINETIC POTENTIAL AND DECELERATION

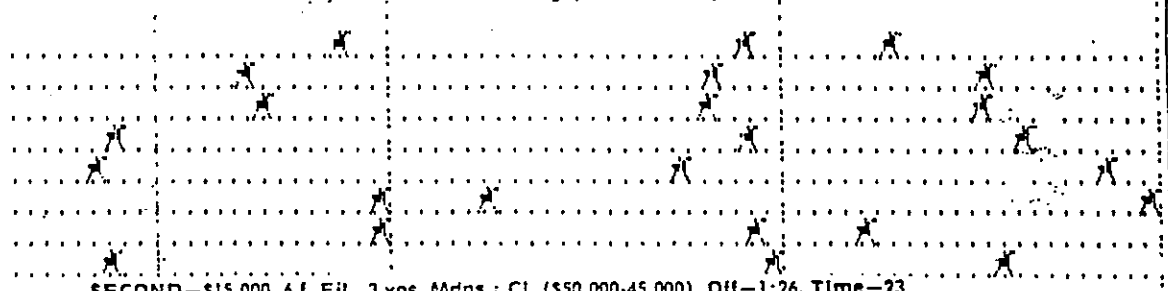
SOC	6	19.89	18.64	17.04	15.17	13.11	10.95
KINK	6	19.38	18.08	16.65	15.11	13.51	11.88
FOREV	6	19.44	18.02	16.50	14.90	13.27	11.62
FOR/2	6	18.72	17.98	16.87	15.45	13.78	11.93
FASH	6	18.62	17.45	16.30	15.18	14.10	13.04
LITTL	6	20.00	16.80	14.79	13.71	13.45	13.98
DANC	6	20.08	18.81	17.16	15.21	13.06	10.80
MUSIC	6	18.69	18.11	17.02	15.50	13.63	11.52



THE NON-Linear Kinetic Generator Readouts: (This program dictates that if the beaten lengths exceed 9 at any call, enter 9.)



SOC
KINK
FOREV
FOR/2
FASH
LITTL
DANC
MUSIC



SECOND—\$15,000. 6 f. Fill., 3 yos. Mdns.; Cl. (\$50,000-45,000). Off—1:26. Time—23
47 3/4 1:14 3/4. Winner—Ch F J By Bel Big-Must. Trainer—John Mazza.

Horses	Wt.	PP	1/4	1/2	3/4	Fin.	Jockeys	St.	Pl.	Sh.	Odd
8-Little Face	121	8	4	4'	2"	1"	Madrid	24.60	12.20	8.60	11.30
7-Fashion Hit	117	7	1	1 1/2'	1'	2 3/4	Bruin	—	12.60	8.80	11.40
1-Dance Skater	121	1	2	2"	3 1/2'	3'	Smith	—	—	6.00	9.60
Kinkie's	117	4	7	6'	5 1/2'	4 1/4	Velasquez	—	—	—	15.70
Forever Spoken	117	3	8	6'	5'	5 1/2	Chavez	—	—	—	14.50
Social Stripper	121	2	3	5 1/2'	4 1/2'	6 1/2	Santagata	—	—	—	8.80
Eastern Mystic	121	6	5	5'	7 1/2'	7 1/2	Samyn	—	—	—	14.90
Glasgow Suste	107	3	6	7'	8	8	Malica	—	—	—	36.40

Scr.—Musical Pockets (1).
Daily Double 6-8 Pd \$289.60. Exacta 8-7 Pd \$364.80. Quinella 7-8 Pd \$156.00.
OTB—H-23.20 11.40 8.00. G-11.80 8.20. A-5.60. Exacta-346.40.
Quinella-148.20. Daily Double-274.00.

Here is a race that proved most controversial. My having an across the board wager on this horse, together with the exacta, caused a great deal of consternation. I attribute getting the place horse to Tom Hambleton, as confirmed by Gary Owens' readouts. Here is a recap of my reasoning before using the computer. Each point is a published aspect of the Methodology. But first, let's look at the race:

6

SARATOGA

6 FURLONGS
SARATOGA

6 FURLONGS. (128) ALLOWANCE. Purse \$27,000. 3-year-olds and upward which have never won a race other than maiden, claiming or starter. Weights, 3-year-olds, 117 lbs. Older, 122 lbs. Non-winners of a race other than claiming since August 1, 3 lbs. Of such a race since July 15, 5 lbs.

Coupled—Batim and Go Daad.

Key Note Speaker

Own.—Reed F	Ok. b. or br.	g. 3(Mar), by Key to the Kingdom—White Eyed Lady, by Cabildo	Lifetime	1990	5	2	1	2	\$26,790
11Aug90-3Sar my 6f	.22% .45% 1:10% C1m 45000	Br.—Penn Frank Jr (Ky)	11 2 2 3	1989	3	M	1	1	\$5,280
30Jly90-11Rkmfm 1 1/4 @ .48% 1:13% 1:53% 3+ Alw 10000		Tr.—Aro Michael C	\$33,670	Turt	2	0	0	0	\$200
6Jly90-8Rkmfst 1 1/4 .43% 1:13% 1:47% 3+ Alw 10000		3 4 87 66 44 1no Chavez J F	112	21.80	91-05 KyNotSprk1130Blmr1177HurricDisstr1171 Svd. grad, drng 9				
1Jly90-9Rkmfst 6f .22% .45% 1:11% Vernon Smith		1 9 99 68 56 63 Baez R	B 112	1.80	61-30 Leap TheSun1161CrownLot1154Tina'sWorld1171 No factor 12				
1Jly90-Placed fourth through disqualification		4 4 34 38 38 37 Gambardella C	B 112	1.90	72-31 FrnkSwordply1111LpThSun1164KyNotSprk1134 No threat 6				
28Aug90-10Rkmfm 1 1/4 @ .48% 1:13% 1:46% Henrywajda H		1 5 56 612 614 510 Gambardella C	LB 114	12.90	76-19 Collegian 1222MyVelPeter1174RomeDom1144 Sq. early 6				
16Aug90-8Rkmfst 1 1/4 .47% 1:13% 1:42% 3+ Alw 10000		9 4 77 78 10121013 Gambardella C	113	32.00	65-18 Preppy Pappy 1143 Sunny Serve 1230 NoTitle1111 Stopped 11				
24Aug90-4Rkmfst 6f .22% .47% 1:14% 3+ Md Sp Wt		4 1 21 31 22 23 Gambardella C	109	1.90	75-27 ElniAppl1162KyHLSprk10919PrsMen1092 Dueld, gateway 7				
19Apr90-5Aqur fst 6f .22% .45% 1:11% 3+ Md Sp Wt		2 4 23 2nd 15 14 Gambardella C	114	1.50	75-22 KeyNoteSpeaker1144Nick'sDncr1144Boston1151 Ridden out 11				
22Sep89-4Bel gd 6f .22 .46 1:12 Md Sp Wt		5 4 34 35 36 35 Gambardella C	115	3.20	77-20 PlmBer1151SquantumPoint1154KeyNoteSpeaker1154 Fin. well 7				
4Sep89-11Rkmfst 5 1/2 .21% .45% 1:06% A Desperito		10 4 24 24 34 57 Migliore R	118	6.70	72-25 B'sProspector1181IrishBluEys1181OrbyCrkLnc1183 Used early 10				
Speed Index: Last Race: -4.0		5 5 63 55 46 21 Foley D	113	8.50	87-23 CountryChrmr1181KeyNoteSpeaker1134Collin1180 Fin. well 11				
LATEST WORKOUTS Aug 24 Rkm 3f fst .36% H		3-Race Avg.: -4.0		6-Race Avg.: -1.3					
		Aug 8 Rkm 3f stly .39% B		0 Jly 27 Rkm 4f fst .48% H					
				Jly 21 Rkm 5f fst 1:04% H					

Bee's Prospector

Own.—Rosewood Stables	Ok. b. or br.	g. 3(May), by Mr Prospector—Joe's Bee, by King's Bishop	Lifetime	1990	5	1	0	0	\$17,640
8Oct89-4Bel gd 1 1/4 @ .48 1:12% 1:44% Alw 32000		Br.—Robinson J Mack (Ky)	3 1 0 0	1989	3	1	0	0	\$17,640
22Sep89-4Bel gd 6f .22 .46 1:12 Md Sp Wt		Tr.—Freeman Willard C	\$17,640	Turt	1	0	0	0	
11Aug89-6Sar 1st 5f .22% .46% .59 Md Sp Wt		7 7 95 89 710 57 Castillo R E	117	7.60	70-16 Starkaro 1191 Lowell T. Candy 1171 Naberto 1173 No factor 9				
Speed Index: Last Race: +4.0		3 3 58 35 23 12 Castillo R E	118	12.00	79-25 Bee'sProspector1181IrishBluEys1181OrbyCrkLnc1183 Driving 10				
LATEST WORKOUTS Aug 21 Sar 6f fst 1:15% B		3 6 79 78 58 48 Castillo R E	118	26.30	83-19 Three Way Split 1181 Pron1181Rhythm1184 Broke in 3f st 1				
		2-Race Avg.: +3.0		2-Race Avg.: +3.0					
		Aug 17 Sar 4f fst .50% B		Aug 13 Sar 5f fst 1:02% B					
				Aug 9 Sar 5f fst 1:03% B					

Batim

Own.—Johnson Joan C	Ok. b. or br.	g. 3(Mar), by Verbalism—Smooch, by Ralse A Nalve	Lifetime	1989	7	1	1	1	\$23,189
9Oct89-7TP 1st 6f .23% .47 1:20 Md Sp Wt		Br.—Omni Stables (Ky)	7 1 1 1	1989	7	1	1	1	\$23,189
1Dec89-7TP 1st 6f .22% .46% 1:12% Md Sp Wt		Tr.—Jolley Leroy	\$23,189	Turt	1	0	0	0	
18Nov89-5CD 1st 6f .21% .46% 1:12% Md Sp Wt		1 1 12 12 13 11 Johnson P A	b 122	1.40	81-15 Batim 1221 Fleet List 1225 Prince Vibes 1224				11
4Nov89-1CD 1st 6f .23 .46% 1:13% Md Sp Wt		6 1 11 11 2nd 14 Allen K J	b 122	1.60	81-19 Sky Tracer 1221 Batim 1221 Watertown Society 1227				12
16Sep89-9TP my 1 1/4 .47% 1:13% 1:48% Alysheba		11 1 2nd 41 1st 44 Brin J E	118	2.80	77-17 Copelan's Game 1184 Divine Warning 1181 Ephem 1183				12
Speed Index: Last Race: -4.0		8 1 2nd 31 42 42 Allen K K	121	3.10	81-13 Mystery 1211 Guns of Cielo 1182 Ridgecrest Rider 1214				12
LATEST WORKOUTS Aug 20 Sar 4f stly .49% Bg		1 1 21 21 46 42 Brumfield D	120	4.10	56-37 Fighting Fantasy 1204 TopSnob 1207 Harbort 1207 Weakened 9				
		3-Race Avg.: -3.3		6-Race Avg.: -6.5					
		Aug 5 Sar 5f fst 1:02% B		Aug 1 Sar 4f fst .48% H					
				Jly 30 Sar 5f fst 1:01 H					

Balinar

Own.—Connelly F J Jr	Ok. b. or br.	g. 3(Apr), by Baldski—Exzani, by Exclusive Ribot	Lifetime	1990	6	1	0	0	\$15,620
11Aug90-3Sar my 6f .22% .45% 1:10% C1m 50000		Br.—Farnsworth Farm & Robins G (Fla)	6 1 1 0	1989	6	1	0	0	\$15,620
8Jun90-7Bel fm 1 1/4 @ .45% 1:09% 1:41 3+ Alw 29000		Tr.—Bush Thomas M	\$15,620	Turt	1	0	0	0	
23May90-3Bel fst 6f .22% .45% 1:11 3+ Md 50000		9 6 21 2nd 14 2nd Migliore R	b 117	14.30	91-05 KeyNoteSpeaker1130Blmr1177HurricDisstr1171 Just missed 9				
17May90-3Bel my 7f .22% .45% 1:24 Md Sp Wt		8 2 22 1113 1223 1223 McCauley W H	b 112	19.40	66-06 WarChest1113Spyglss1094ChesapeakeSound1171 Stopp suddenly 12				
26Apr90-6Aqur sly 1 .23% .46% 1:24 Md Sp Wt		3 2 23 2nd 15 19 McCauley W H	b 115	4.20	84-15 Balinar 1159 Steelridge 1117 Cafe Lex 1151 Lugged in 12				
11Mar90-5GP 1st 6f .21% .45% 1:13% Md Sp Wt		11 5 75 75 912 920 McCauley W H	b 122	22.50	64-15 Error 1225 Wikki Up 1177 Sharkey 1225 Outrun 11				
Speed Index: Last Race: -4.0		1 8 1nd 1nd 39 46 McCauley W H	b 122	14.30	78-18 Shots Are Ringing 1223 Error 1223 FakeOut1224 Weakened 8				
LATEST WORKOUTS Aug 25 Sar 4f stly .44 H		7 8 78 812 79 74 McCauley W H	122	9.30	74-15 Big Boy Ben 1223 Phemon 1224 Play Boy G 1220 Outrun 12				
		3-Race Avg.: -8.6		5-Race Avg.: -8.4					
		Aug 5 Sar 5f fst 1:00% H		0 Jly 30 Sar 5f fst 1:01 H					
				Jly 20 Bel 5f fst 1:00% H					

Dinner Quest

Own.—Brophy B G	Ok. b. or br.	g. 3(May), by Deputy Minister—Majestic Hostess, by Majestic prince	Lifetime	1990	7	1	3	0	\$32,500
3Jun90-3Bel my 6f .22% .45% 1:17% 3+ Alw 27000		Br.—Soren & Waldman (Ky)	7 1 3 0	1989	7	1	3	0	\$32,500
27May90-5Bel 1st 1 .46 1:10% 1:36% Alw 29000		Tr.—Zilo Nicholas P	\$32,500	Turt	0	0	0	0	
20May90-7Bel 1st 7f .22% .45 1:25% 3+ Alw 30000		3 10 97 98 1010 89 Cordero A Jr	b 113	9.40	75-12 Heady Days 1144 IslandMusic 1117SilkenSaber 1172 No factor 13				
14Apr90-5Aqur 1st 1 .46% 1:10% 1:36% Alw 32000		1 3 21 11 24 24 Santos J A	b 117	5.30	83-12 ShotsArRngng1173DnnrQuest1174J.T.'sWrtz1174 Held place 6				
2Apr90-8Aqur sly 1 .45% 1:10 1:36% 3+ Alw 32000		4 7 73 86 821 824 Smith M E	118	3.60	63-20 Square Ruler 1191 Silken Saber 1121SevenLords 1194 Outrun 8				
16Mar90-6Aqur 1st 7f .22% .45 1:24% Md Sp Wt		6 1 1nd 2nd 21 23 Martinez WS	b 112	6.40	76-26 SylvesterStone1173DnnrQuest1120BigMvrvn1101 Held place 6				
28Feb90-7GP 1st 6f .22% .46% 1:12% Md Sp Wt		1 4 22 33 48 510 Santos J A	114	3.30	71-22 Johnny Use To 1193SkeetShoot1103MyRedeemer1103 Tired 5				
Speed Index: Last Race: -9.0		9 9 63 43 21 11 Santos J A	122	1.70	79-20 Dinner Quest 1221 Naturally Born 1223 Error 1224 Driving 11				
LATEST WORKOUTS Aug 20 Sar 5f fst 1:01% H		4 9 810 77 54 20k Ramos W S	122	6.90	81-20 Seabees 1224 Dinner Quest 1224 Gift 101Magi1223 Just missed 11				
		3-Race Avg.: -9.0		4-Race Avg.: -6.5					
		Jly 31 Sar 4f fm .50 B		0 Jly 21 Bel 4f fst .49% B					
				Jly 9 Bel 4f fst .52 B					

Well Kept Secret

Own.—Brant P M	Ok. b. or br.	g. 3(Feb), by Track Barron—Vidalia, by Mijinsky II	Lifetime	1989	5	1	1	1	\$23,544
24Aug89-1Sar 1st 6f .21% .45 1:11% Alw 27000		Br.—Brant P M (Ky)	5 1 1 1	1989	5	1	1	1	\$23,544
19Jly89-8Bel 1st 5 1/2 .22% .46% 1:06 Tremont		Tr.—Lukas D Wayne	\$23,544	Turt	0	0	0	0	
19Jly89-Grade III		2 3 2 2 2 2 2 2 Santos J A	117	4.00	75-08 Adjudicating 1224WillKpScr1173GivABuck1172 Raced greenly 7				
7Jly89-7Mth 1st 5 1/2 .21% .45 1:03% Alw 18000		5 4 2nd 11 12 13 Antley C W	118	1.10	79-25 EternalFlight 1151Dr.BobbyA.1154EternChill1151 Weakened 9				
1Jun89-4Bel 1st 5f .21% .45% .58% Md Sp Wt		5 7 76 75 33 33 Antley C W	118	3.80	90-17 Dawn Quixote 1174 Hi Jac Jet 1131 Sunny Go 10171 Tired 8				
15Mar89-4Bel 1st 5f .22 .45% .59% Md Sp Wt		5 7 76 75 33 33 Antley C W	118	3.80	90-16 WellKeptSecret1183SilentGeorlin1183BigTok1181 Driving 6				
Speed Index: Last Race: -13.0		3-Race Avg.: -0.6		5-Race Avg.: +0.4					
LATEST WORKOUTS Aug 23 Sar tr.1 4f fst .50 B		Aug 18 Sar tr.1 5f fst 1:04% B		0 Aug 13 Sar tr.1 5f fst 1:02% H					
				Aug 8 Mth 3f gd .36% Bg					

Go 1000	Br.—Gainsborough Farm Inc (Ky)	Tr.—Jolley Leroy	117	5 1 0 1	1989	0	0	0	0
Own.—Maktoum Maktoum Al	3 6 34 12 12 131	Vasquez J	b 117	740	87-13	Go Daad 11731	Island Edition 11731	Northern Lead 11231	Driving 9
5Apr90- 15Sar fst 6f :22% :45% 1:11% 3+ Md Sp Wl	9 2 21 531 916 1130	Cruguet J	b 114	760	58-09	Lowell T.Cndy 11411	Singsler 11411	Joint Victory 12231	Tired badly 12
9Jun90- 28Bel gd 1 ①-45% 1:10% 1:35% 3+ Md Sp Wl	3 9 21 21 451 5151	Cruguet J	b 115	450	71-15	All Silver 11511	Heady Days 11511	Figure 11511	Tired 9
19Aug90- 78Bel fst 7f :23 :46 1:23% 3+ Md Sp Wl	6 6 241 23 211 33	Day P	118	240	81-18	Time for Reality 1181	Figure 1181	Go Daad 1181	11
27Apr90- 3Kee sly 7f :22% :46% 1:20% Md Sp Wl	6 8 33 2nd 33 773	Perret C	120	*70	70-14	Rashola 1201	Hail Pirata 1201	Brown St. Bound 1201	32
Speed Index: Last Race: 0.0	3-Race Avg.: -4.6	4-Race Avg.: -7.5	Overall Avg.: -12.6						
LATEST WORKOUTS Aug 23 Sar 5f fst 1:00 H	Aug 16 Sar 5f fst 1:01% H	● Jly 27 Sar tr.t 5f fst 1:02% H	● Jly 20 Sar tr.t 5f fst 1:02% H						

Silken Saber

Ch. g. 4, by Outlass—Silk and Wrapper, by Jontilla	Br.—Mangurian Mr.—Mrs H T Jr (Fla)	Tr.—Ferriola Peter	117	Lifetime	1990	9	0	4	2	\$35,160
Own.—Riccio J A	4 5 94 881 771 810	Antley C W	b 117	340	77-12	Sk1Shoot 11231	MerchngOrdrs 11231	Island Msc 11231	Checked early 9	
15Apr90- 65Sar fst 7f :22% :45% 1:23% 3+ Alw 27000	1 3 43 351 28 210	Migliore R	b 117	450	82-08	Citidancer 11311	SilkenSaber 11311	SpaceAppeal 11731	No match 6	
25Jly90- 68Bel fst 6f :22% :45 1:09% 3+ Alw 27000	2 9 541 53 34 251	Migliore R	b 117	300e	82-13	FstTurn 11311	SilkenSaber 11311	FmlDestinlion 11411	Gained 2nd 9	
12Jly90- 78Bel gd 7f :22% :45% 1:23 3+ Alw 27000	5 7 1081 891 541 321	Migliore R	b 117	400e	85-12	HeadyDys 11411	IslandMusic 11411	SilkenSbr 11731	Mid rally outside 13	
9Jun90- 38Bel my 6f :22% :45% 1:17% 3+ Alw 27000	4 2 32 44 33 36	Velazquez J R7	b 112	150	82-19	Poppino 11311	VictoryFost 11311	SilkenSbr 11231	Lckd late respons 6	
30May90- 58Bel gd 6f :22% :45% 1:10% 3+ Alw 27000	1 8 21 1nd 11 21	Velazquez J R7	b 112	*240	86-20	Square Ruler 1191	SilkenSaber 11231	SevenLords 1191	2nd best 8	
28May90- 78Bel fst 7f :22% :45 1:23% 3+ Alw 30000	2 6 511 571 54 221	Velazquez J R7	b 112	380	79-22	TowerDTresures 11231	SilkenSbr 11231	BigBoyBn 1121	Checked 7	
10May90- 58Bel gd 6f :21% :45% 1:11% 3+ Alw 30000	6 1 431 45 37 491	Velazquez J R7	b 112	330	69-26	Lo Bucker 1101	Case the Ace 1103	BigMervin 1131	No threat 6	
30Apr90- 6AQu my 7f :22% :46% 1:24% 3+ Alw 30000	4 7 761 641 45 451	Velazquez J R5	b 114	*80e	79-20	Postal Strike 1191	River Patriot 1141	IcyGlow 1191	No threat 8	
19Apr90- 8AQu fst 6f :22% :45% 1:11% 3+ Alw 30000	112 — — — —	Martinez JRJ5	b 110	340	—	HeartofaHero 1201	Craftmster 11731	MorningCot 1151	Lost tiger 12	
19Nov89- 7AQu fst 6f :22% :46% 1:12 3+ Alw 30000										
Speed Index: Last Race: -11.0	3-Race Avg.: -8.6	9-Race Avg.: -3.0	Overall Avg.: -3.0							
LATEST WORKOUTS Jly 4 Aqu 4f fst :49% Hg										

Unlucky Me

B. c. 3(Jan), by Lypheor—Little Lady Luck, by Jacinto	Br.—Manganaro Stables (Ky)	Tr.—DiMauro Stephen	112	Lifetime	1990	4	1	0	0	\$10,860
Own.—Manganaro Stables	6 6 531 441 451 651	Lovato F Jr	117	1070	83-13	Native Factor 1191	Oxy Tiger 1171	For Really 1171	No threat 8	
19Feb90- 6AQu fst 6f :21% :45% 1:11% Alw 30000	8 1 11 1nd 111 611	Lovato F Jr	117	2110	74-21	Adversarial 1171	Dangerous Dawn 1171	BigMervin 1121	Tired 10	
11Feb90- 5AQu fst 1 1/4 :47% 1:12% 1:45% Alw 32000	4 5 491 45 471 411	Lovato F Jr	116	1130	87-08	Collegin 1181	SunshineJimmy 1181	DelectiveGreer 1221	Outrun 8	
25Jan90- 7AQu sly 6f :22 :45 1:09% Cjm 85000	2 7 51 32 1nd 111	Migliore R	122	400	80-16	UnluckyMe 1221	PetrPin 1221	WstportRoylty 1221	Ridden but 12	
4Jan90- 5AQu fst 6f :22% :47% 1:13% Md 50000										
Speed Index: Last Race: -4.0	3-Race Avg.: -4.3	3-Race Avg.: -4.3	Overall Avg.: -3.7							
LATEST WORKOUTS Aug 21 Sar 4f fst :47% H	● Jly 4 Sar tr.t 5f fst 1:03% H	● Jun 27 Sar tr.t 4f fst :50% H								

As previously noted, I had warned our Saratoga group that KGEN would strain their credulity and, at least in the first stages, many would refuse to accept its readouts as valid. I added that this would include some Charter and Teaching Members. Perhaps even, especially Charter and Teaching members, because they were doing so well through the application of essentially linear processes.

My prognosis of Friday night proved correct on Monday afternoon when I displayed an across the board wager on a horse in the 6th race at Saratoga called (of all things) Unlucky Me. I gave out this selection at a couple of tables of clients, warning that it should be considered as an alternate THIRD choice wager. Some acted on my advice. Others kept their linear counsel. A few times, my reasons for wagering on the horse were greeted with hoots and hollers. It didn't "make sense". It did not fit the Match-Up. It was class deficient, etc. etc.

A prime factor in my thinking was that Unlucky Me has NEVER earned a speed rating of less than 80 in the sprint element of a race. An automatic @ at worst, meaning the horse is a contender.

Here is its internal fraction speed rating, from the route two back:

AQU(Inner) New DRF adjusted 100 SR = 109:1 112:4 = 82.

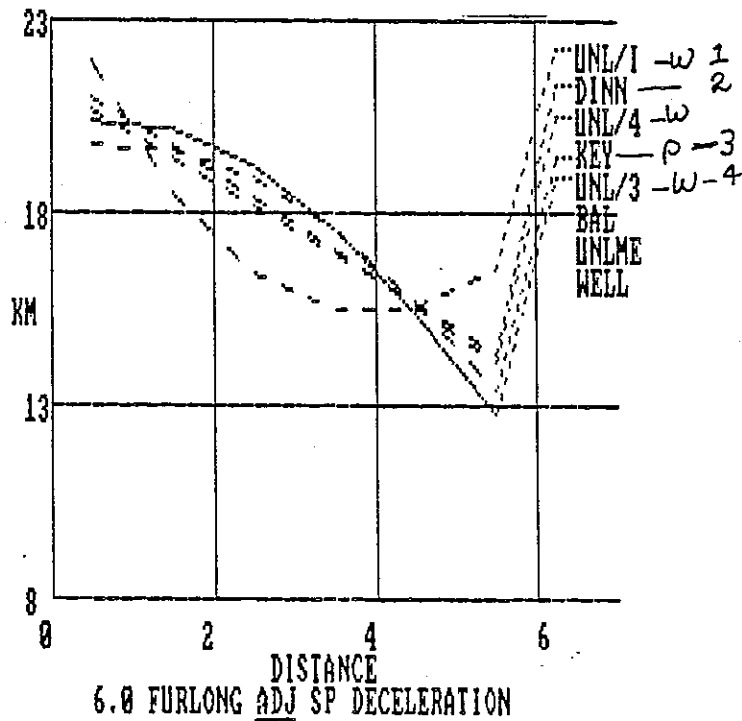
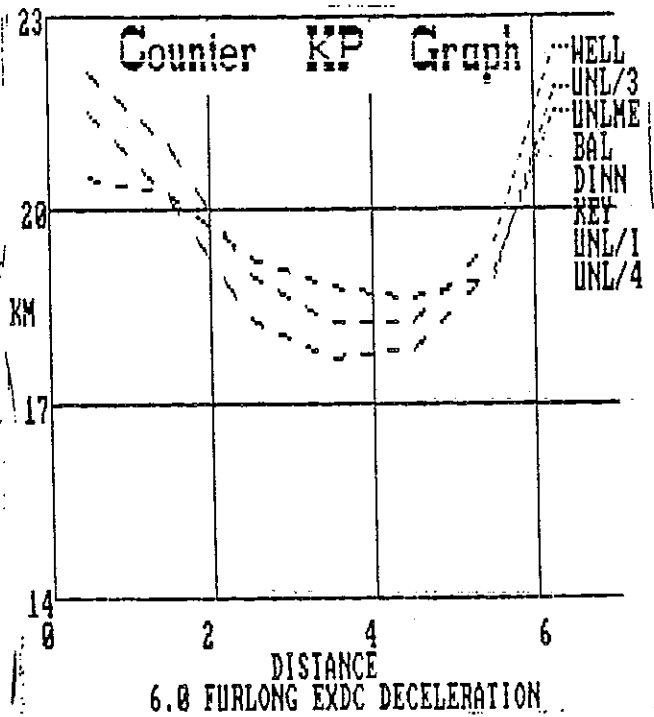
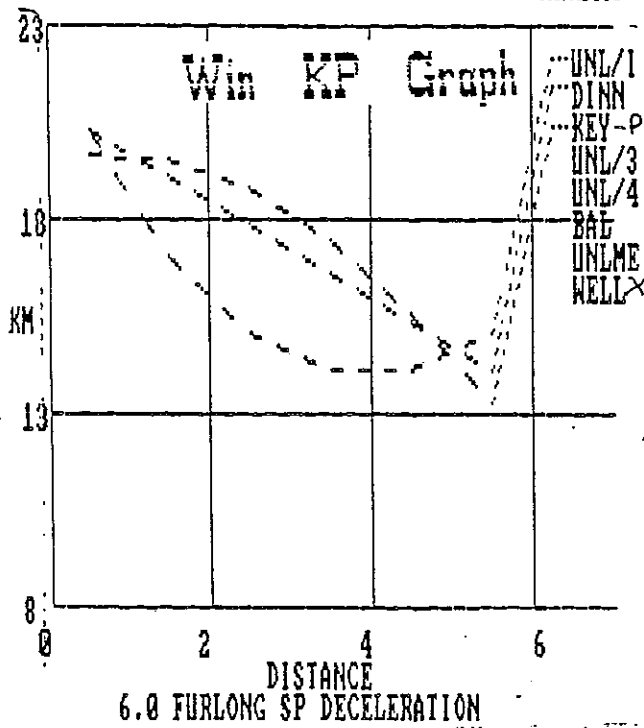
Take off 2 5ths, Unlucky Me has a speed rating of 84.

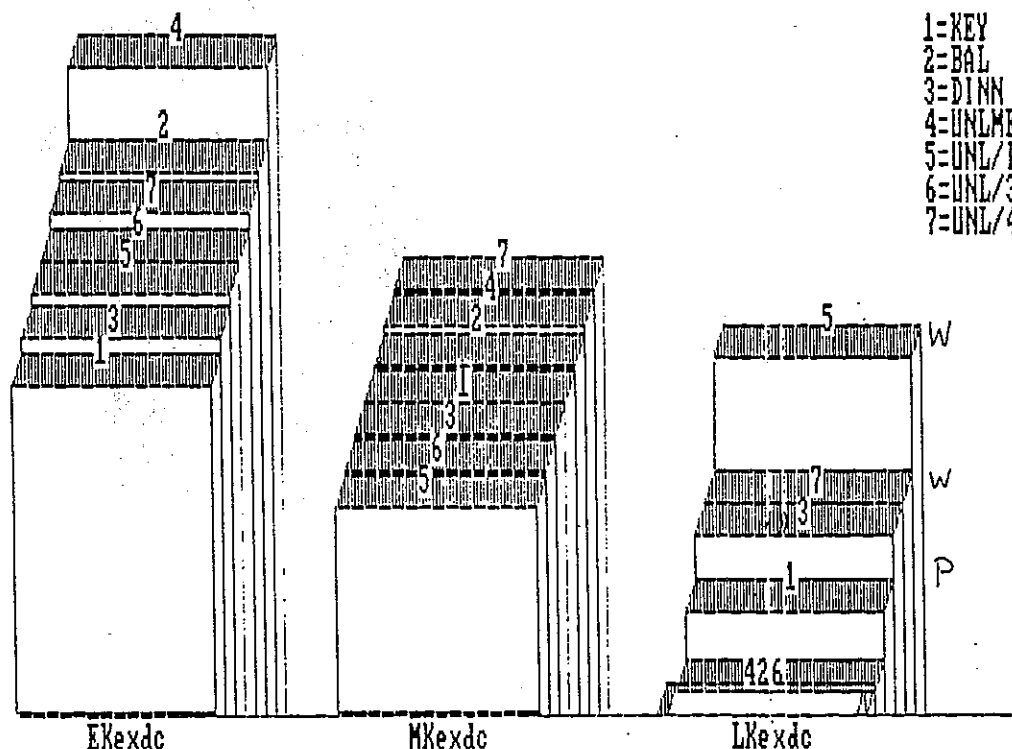
This gives Unlucky Me speed ratings of: 83, 82, 87 & 80, for a lifetime average of 83.

Our top choice in this race was Key Note Speaker, who eventually placed, and was a wager for virtually all of our people. He has this succession of speed ratings: 91, 61, 72, 76 for a four race average of: 75. Or, if you throw out the 61, a three race average of 80 (79.6).

So, Unlucky Me may just have the most Kinetic Potential of any contender in the race, even though viewed through the linear mind it is deficient. We will let the non-linear formula decide. We will use all of Unlucky Me's pacelines against the best of the rest:

Handicapping with the
KINETIC GENERATOR





On this day NON-Early was Dominant in both Win and Place in Sprints

The Second reason for looking long and hard at this horse is strictly linear and in keeping with traditional handicapping thought. Unlucky Me was shipped to Saratoga in June, two months before the meet. It seemed to like the track, as demonstrated by THREE consecutive Bullet workouts.

Our First Choice, Key Note Speaker, finished second, keying a \$2 Exacta that paid \$436.

SIXTH: \$27,000, 3-year-olds & up, allowance, 6 furlongs. Off: 3:52, start good, won driving. Times: :22, :45 1/5, 1:11 1/5. Winner trained by Stephen DiMauro.

Horse	Wt.	PP	St.	1/4	1/2	Str.	Fin.	Jockey	\$Odds
Unlucky Me	112	9	6	3	3	1hf	1hf	Bailey	16.50
Key Note Speaker	112	1	4	4	4	4hf	3-2	Chavez	12.10
Bee's Prospector	112	2	9	7	6	3-2	3-1 1/2	Cordero	4.20
Go Daad	117	7	7	6	5	6-3	4hf	Vasquez	a2.40
Ballar	112	4	1	1	2	2-1	5-3/4	Maple	5.40
Dinner Quest	112	5	8	9	9	7-3	6-1 1/4	Samyn	18.00
Well Kept Secret	112	6	3	2	1	3	7-9	Antley	3.00
Silken Saber	117	8	5	8	7	8-2	8-1	McCauley	6.30
Bafim	112	3	2	5	8	9	9	Smith	a2.40

SCRATCHED: Sir Michael James (A), Sixes (G). a-coupled.

PAYOFF	8	Unlucky Me	35.00	13.00	6.80
	2	Key Note Speaker		11.00	6.60
	3	Bee's Prospector			5.40

EXACTA 8-2 paid 436.40

OTB: K-33.20, 12.20, 6.40; B-10.40, 6.20; C-5.00

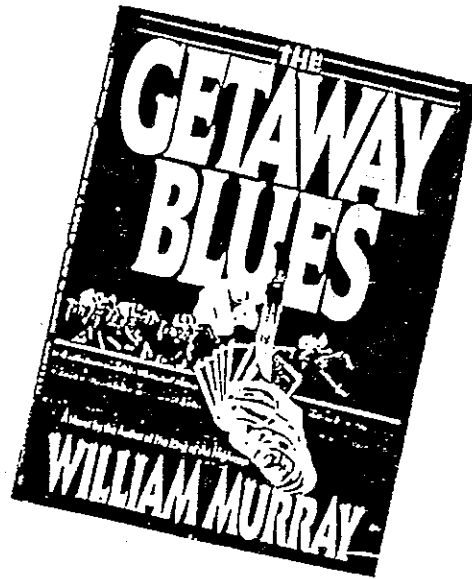
EXACTA K/B-410.20

There are dangers in being a big success at anything. No matter how good you are at what you do, it eventually becomes second nature.

Trap: People who don't continually update their knowledge—no matter how successful they are—become fearful of new ideas, creativity and risk-taking. **Result:** Their area of success becomes an area of mediocrity.

Book Review

by Doc Sartin



Another Summer, another race track novel by the handicapper's best literary friend, William Murray. Once again, we can enter the world of Murray's race-track characters: the Mooch, Whoyalike, Jay Fox, the numbers man and Shifty Lou Anderson, the Pizzolla-like close-up magician and handicapper. As a yarn it's another good one. Those who read for the upper third of the iceberg will not be disappointed. There is plenty of action, intrigue, a smattering of sex and violence along with the inevitable who-done-it. Of course, once again the race track, its wealth of character studies and the handicappers eternal search for winners, is the central melodic line.

But Murray is a student of music. He understands counterpoint. Ever since *The Fat Man Sings*, two volumes ago, the author's counterpunctual themata has become more and more evident. Where once Shifty Anderson was merely a composite character inspired by some real life magicians, he is now more like William Murray, the Renaissance man. He hums operatic arias from Verdi, recalls lines from Gilbert and Sullivan operettas and grows increasingly philosophical. It is as if author Murray has played a little game with his publisher. Create a demand for proven formula race-track novels, become known as the American Dick Francis and then start slipping a lot of real substance into the format. We sense that Murray realizes that there are only so many race track character yarns; most of them already spun by him or Damon Runyon or by night club comedians Joe E. Lewis and Joe Frisco.

The counterpoint of this book's melody: The race track is a microcosm of life. You are all familiar with that thesis. He takes another step, the race track is the "training ground" for life.

From this secondary melody we get a study of involuntional melancholia, its etiology, temporary cure and a Hemingwayesque final solution. The Blues are in the title and the blue note dominates the novel. So, you won't get many laughs from this one.

What you will get is a solidly constructed novel with a lot of depth but enough plot and action to satisfy the most peripheral of tastes.

Did I like it? Well, I read it non-stop from cover to finish and was never inclined to put it down. It's at your local book store.

The ThoroBrain Neural Network

by Dick Schmidt

After a lot of thought and a careful discussion with Howard, we have decided to review a new product that has recently appeared on the market. Developed by David Schwartz, who has been a PIRCO client for several years, this is an artificial intelligence, or neural networking program running on IBM or workalike computers. We decided to discuss this product both because we feel it may well be valuable to some of you, and to quell a variety of rumors, many of them concerning me.

In late March, while we were at Expo 90, Spencer Toner showed me an ad in the *Racing Form* about a new artificial intelligence handicapping program that had just appeared on the market. For some time, both Dr. Sartin and I have been quite fascinated by neural networks, so I called the programmer, Dave Schwartz, to discuss his new program. He offered to send me a free copy, which I declined. Instead, I purchased a copy at full price, and Dave was nice enough to send a free copy along to Howard.

This is the third neural network I have looked at, and the first one I could make function. A neural network is a program that, through the use of what is called a hidden layer, attempts to learn from the past and predict the future. What you must do to "build" a network is give the program examples it can learn from. Say we want it to learn to handicap races, a noble pursuit. We would give the program several example races, providing a variety of information on the horses that we feel is important, and then tell it which horse won each race.

The program would attempt to "build" a network by weighting and combining the various factors we have given it in a way that puts the winner on top of every sample race entered. Once that is done as completely as possible, similar facts are fed into the network on a "live" race, and the network, using the weightings and relationships it has found predictive in the past, tells you who it thinks will win the race. After each race is run, the network can be updated with the latest data. In a way, it is sort of the ultimate Brohamer Model. One that not only keeps track of dozens, or even hundreds of factors and combinations of factors, but one that learns to interpret itself and make betting suggestions.

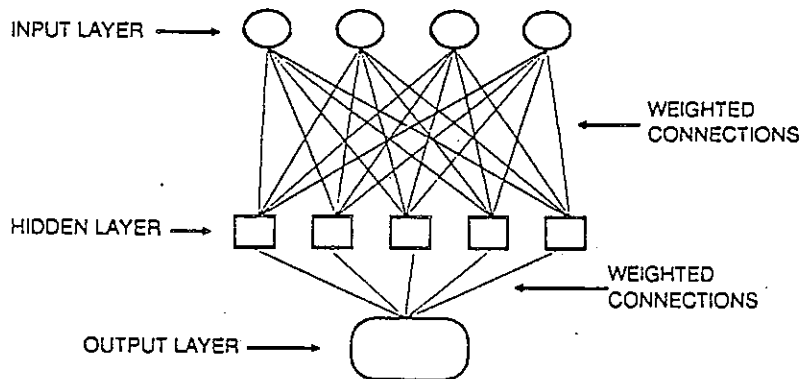
Being a computer program, and far from perfect, what it actually gives you is a probability percentage on each horse. Horse A has a 62% chance of winning, horse B a 15%, etc. How correct it is depends on how predictive the information you gave the program was. If you provide "good" data, that accurately predicts the outcome of races, then your network will be very accurate at predicting the outcome of races in the future, assuming racing conditions remain constant. If the track changes, or you give the network less predictive data, then the network will be less accurate.

Neural networks are almost a law unto themselves. No one, not even the person who wrote the program, can find out on what basis the network is making its decisions. I'm not expert enough to know why this is so, but

Neural Networks in General

The typical neural network design contains three (or more) layers of cells. These cells are called neurons. The top layer of neurons, called the input layer, receives inputs (facts) from the outside world. The bottom layer, called the output layer, provides the output to the outside world. The layers in between, referred to as the hidden or thinking layers, provide the connections between the top and bottom layers.

Each of the cells in the input layer is connected to each cell in the hidden layer, and each cell in the hidden layer is connected to each cell in the output layer. In this way, each cell of the input layer is indirectly connected to each cell of the output layer.



The simple neural network shown has only four input neurons, five hidden neurons, and one output neuron.

The network reads in facts (data) for which it has the answers. The facts are fed in through the input layer, their values are multiplied by

the connection strengths and passed on to the hidden layer. Each cell in the hidden layer contains the sum of each neuron in the input layer times the matching connection strength. Because the network is non-linear, the hidden layer cells do not pass the cell value, but rather pass the sign of the cell value, to the next layer. The value passed is then multiplied by the connection strength and summed in the output layer cell(s).

The value passed to the output layer represents the network's prediction for this fact. It then compares this prediction with the actual result. If an error has occurred, it then "back propagates" the error through the network. That is, it feeds the error back through the connections making changes in the connection strengths. It is through this process that it learns.

all the books I've read on neural networks assure me it is common to all of them. It's the ultimate black box. However, they can "learn" to take advantage of your expertise, or lack of same. For instance, if you give the network an answer of 1 if you don't like a horse, 2 if you do like it and 3 if you're in love, then the network will learn, over a period of time, how much value to place on your judgment. If you are a good judge of horseflesh, it will learn to value your opinion most highly. If you are rarely correct, it will learn to ignore you, or even bet against you. To this extent, the network provides a safety net for less talented handicappers.

The first neural network I examined is called Neuro Shell. It is a generic network that can be made to learn almost anything, if you can just figure out how to write the data entry and report functions. I simply didn't have the time; though I learned quite a bit playing with the program and the few preconfigured networks that came with it as samples.

The second network I tried was from Race Com in Florida. Howard purchased the product and gave it to me to test, as I have long been an admirer of the appearance of their programs, if not their effectiveness. Some time ago, they essentially cloned Phase III and presented it in a graphics format. Only recently has our own master programmer, Jim Bradshaw, developed programs that are even prettier than Race Com's. And of course, Jim's also have the added bonus of actually predicting which horse will win the race.

The Race Com neural network program is a nightmare to use; demanding a very obtuse and unnecessary data entry format. It also requires you to collect data from a great many races at each distance and track before it starts to produce accurate results. In many instances, users have reported to me that they had to have 70 races in the database before the product even began to be predictive. Training a network could tie up your computer for hours, or even days. I have yet to meet a successful user of the program, and most have long ago given up. I would not wish this cludge on my worst enemy. By the way, the reason I don't let people give me expensive programs is so that I can write reviews like this one on Race Com. I'm not beholden to anyone, and can say what I think in all good conscience.

I bought ThoroBrain expecting much the same situation. I just like to keep on top of what's happening in the marketplace. Even if I don't use a program, my competitors at the track are, and I need to be aware of trends that the competition is taking seriously, just as a New York handicapper must factor in the impact of the Raggies on the tote board. I never really expected it to work very well, and thought I had purchased another expensive toy (my wife will tell you it isn't the first).

Instead, I found myself with a well designed, fairly friendly program that I could actually use after only a couple of hours of reading the manual and working the examples. After you figure out what the program is trying to do, its structure and logic; it is quite easy to operate. I was so pleased that I could actually get a neural network to operate, I began putting in some past races from Hollywood Park. After a few false starts, I trained several networks and actually handicapped some races before the fact. My first 10 races really opened my eyes. I hit 6 of 10, betting one

horse. My second 10 races brought me back down to reality: 3 of 10 for a 17% R.O.I.

Since then, I have found that the Brain shows a consistent profit, though I can usually outperform it when I am going well. I find that it does best betting one horse, splitting the bet between win and place, and my overall win percentage is about 40%. Occasionally, it will perform more profitably betting its top two choices. Over the few months I have been tinkering with ThoroBrain, I have made several changes in the way I use it, and the program itself has undergone several changes for the better. There is now a version that has been custom tailored for the Sartin client.

To operate the Brain takes a subtle shift in how you think about handicapping. Remember, this program actually makes decisions for you, but will not tell you why it made those decisions. You need to be very selective about what you give it to look at. It won't work miracles. You must still be able to pick contenders, so as not to confuse the program with "noise." It requires a great deal of thought on the part of the new user in deciding what to enter into the program for it to use as the basis of its decisions.

One mistake that many new users make, including me, is to decide that since the Brain can learn what is "good" (predictive) information and what is not, they can dump everything they can think of into the program and let it sort it out. Unfortunately, or maybe fortunately for all of us who have some skill at handicapping, this approach doesn't work any better with ThoroBrain than it does with the Methodology. All you get is a thoroughly confused program that is trying to make sense out of information that essentially has no pattern to it.

Instead, we need to be very selective in what we show it. As pace handicappers, we have a tremendous advantage in that we already have a level of proficiency at picking contenders and pacelines. Since I am so totally imbued with the Sartin Methodology, I use only information developed by one Sartin computer program or another, together with the money box data from the Form. I continue to pick contenders with the same care and commitment to excellence that I would use with ENERGY! or Synergism.

The actual entering of data is simple once you get the hang of it. The manual has a simple system that directs you to first enter some race information, followed by the names of the horses in post position order. You are then allowed to enter the horses running style, how good the jockey is, an overall contender ranking, how you "feel" about the horse and earnings data. The next screen calls for a paceline on every horse, allowing you to average up to three lines if you want to. You are then allowed to enter any other information that you can express as a number, and the finish positions if the race has already been run. The Brain then crunches away at the data for a while and reports back. For a neural network, ThoroBrain is extraordinarily fast. Normally, if you have a reasonably fast computer, you can train networks between races. (I have used it successfully on my Toshiba T-1000 SE, an 8088 machine running at 9.5 htz.)

The beauty of the program is that none of this is required. Of course, you must tell the program *something*, but what that something may be is up to you. For instance, as an experienced user of the Methodology, I don't think much of jockey ratings and their influence on the outcome of the race, so I leave that data field blank. When determining running style, I use ESP instead of the method suggested in the manual. I never average pacelines, trusting the skills built up over several years to select the most predictive line. I don't put in horses I don't think can win, so I don't bother to tell the network how I "feel" about the horse. Besides, I want the Brain to function as independently from me as possible.

It is in the last set of data entry fields that this program really shines. You are presented with 10 fields into which you can enter *anything*. The program doesn't need to know what they are, just so long as they are a number between -999 and +999. You might chose to enter FFER ratings, PBS numbers, raw Ultra Scan, Factor W, whatever you like. Sartin clients can also do a magic trick with the program: you can read the file that ENERGY! saves to disk *into* the Brain and use the adjusted numbers ENERGY! develops to train the brain! To save keystrokes, it will also read in the names of the horses and the pacelines you used in ENERGY! In the future, you may be able to do the same with Synergism II. For now, Synergism users will have to type in the data.

Once the Brain has all the data, either from ENERGY! or keyboard entry, it is then able to rate the race based on the outcome of past races. The results can be quite startling at times, and frustrating at others. For the most part, I have found the results to be most satisfactory. So what's the catch? The downside? There are a few:

Like any sophisticated piece of computer software, there is a definite learning curve associated with the Brain. Though it is quite easy to get it up and running, (at least, I didn't have any problems. But then, within the context of the Methodology, I am a fairly sophisticated computer user.) learning its subtilties can take awhile. No more than you would with any new handicapping program, don't expect to pick up the Brain and start winning with it right out of the box. It takes some thought, planning and hard work to master.

Much of the strength of the Brain comes from forcing you to actually do all the work we keep telling you to do on every race. If you are using class data or have a PBS field, you must give the Brain this information before you can handicap the race. I know from experience that many clients will rebel against this workload.

The Brain is in a way the ultimate Brohamer Model. And like the model, it has built in weaknesses. It is only as good as you are, and will reflect some of your weaknesses as well as your strengths. It will, over time, learn to compensate for your shortcomings, at least to the extent that you are consistent with your handicapping. Of course, like a model, it must constantly be kept up to date to function at peak efficiency.

By the vary nature of the program, it will not work for the first two or three days at a track. You must teach it to handicap the track first. When I used it at The Woodlands during the Kansas City seminar, I entered all the races and results from Wednesday the first night we were there.

Yet when we went to the races on Thursday, I couldn't use the Brain at all. I didn't have any networks trained to the point that I would bet real money on them.

By Friday, I was able to handicap sprints, but it was Sunday before I could use any route distance other than one mile. In fact, I never did train a good network for the longer route distances. This sort of pattern will be typical of any neural network program. ThoroBrain is unique among neural networks in that it is able to produce excellent results after seeing only 4 or 5 races at any given distance and track, but you still must accumulate those races before you can use the program.

Obviously, the weekend handicapper will find the Brain much less useful than the full time player, in much the same manner that a Synergism user who depends very heavily on his model must keep it current to be of any use. The time commitment is considerable.

The Match-Up, and other skills I have accumulated, continue to stand me in good stead. I feel contender selection is even more important with the Brain than when handicapping alone. When putting a horse in "just to take a look," you can downgrade it later in your mind as you examine your readouts. The Brain can't do this very well. Neither can the ENERGY! program, by the way. False contenders destroy the usefulness of the variegate as a predictor of how the race will run, and make Jim Bradshaw crazy. For me, the Brain and ENERGY! have worked well together. (The new K-Gen program is an excellent contender selector, but do NOT use K-Gen numbers in the Brain unless you enter them by hand. It does not save some unused (by K-Gen) ENERGY! ratings to disk reliably. Load the file into ENERGY! and save it again before you import it into the Brain.)

There are times when I can easily outperform the Brain, and I have learned to handicap it as well as the race. However, at other times, when I am tired, rushed or just not sharp, the Brain can keep me from making snap judgments. I tend to make quick decisions when I'm tired, for instance, and then don't do the analysis needed to actually take a race apart. The Brain never takes short cuts.

In the final analysis, I find the Brain useful as a councilor. Handicapping can be approached as either an art or a science. Dr. Sartin definitely approaches handicapping as an art. Each race is dealt with as a separate, unrelated event, and he is able to "feel" which horse fits and which will run poorly. Others look for a universal approach (i.e. RULES). David Schwartz says he approaches handicapping in this way, and the Brain is his attempt to turn a liability into an asset. The Howard Sartins and Jim Bradshaws of this world do not need the Brain: they can win without it. But for the rest of us, it can be quite useful. Weaker handicappers will benefit much more from a decision making program than someone who has carefully honed decision making skills. I have seen some very weak users of ThoroBrain (not Methodology clients) achieve remarkable results, consistently showing a profit for the first time in their lives.

What I like to do is use the Brain as if it were a cold, rational friend; one who weighs the facts and makes a decision, never influenced by emotion. I look at the same race as the Brain, and some of the same facts, then try to use my experience and pattern recognition skills, guided by the

numbers and predictions provided by the ENERGY! program and K-Gen. When I have a good insight into a race, and feel I genuinely understand it, I ignore the Brain and bet my art.

However on those days, or in those races, where nothing comes together for me, I use the Brain as an advisor. Logical and never tired or confused, the Brain approaches each race in a analytical way that it learned has worked in the past and should continue to work in the future. Of course, I must always remember that it is not a separate person, but a mirror of my own decision making in the past, and that if I am truly confused by a race, the data I give it may well be confused as well.

For those who have read the racetrack novels of William Murray, the Brain functions like Jay Fox, the "numbers man" whom the hero Shifty pals around with. Each race is analyzed from a strictly numeric point of view, and feelings never enter into it. I have never been able to handicap that way due to lack of time and sloth. Now I can turn to my well trained friend who lives in my computer and ask him: "What do the numbers say?" Since he is both "me" and "not me," reflecting my decisions yet looking at many more factors than I could ever juggle at one time, I find my Brainy friend can be most useful at the races.

If you are interested in obtaining more information on the ThoroBrain, you can contact:

NeuroNet Development
690 Ibis Lane
Reno, NV 89503
(702) 747-1551 (Mornings or Mondays and Tuesdays, when the tracks are dark on the west coast.)

If you call or send in an order, be sure to identify yourself as a Sartin client, and ask about the version which has the Sartin import features. ThoroBrain normally costs \$479. From now until the end of the year, Dave has offered to reduce the price to Sartin clients to \$379 if you tell him you are a client and read about the program in *The Follow Up*.

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A Post Script from "The Doc:"

I believe that David Schwartz's ThoroBrain is far and away the best artificial intelligence, neural network program on the market. It makes all its competitors pale into insignificance, especially the one from Race Com. However, I have yet to receive any client reports of a consistent 50% win proficiency winning only one horse, as some rumors have it. It has produced as its top pick a wealth of one horse show bets, that in themselves could make you a living if sufficient wagers were made. If I ever receive a client report that indicate a marked improvement in win proficiency, I will be the first to let you know.

I think it would be a boon to those using Phase II or Synergism II, but not those using ENERGY! or K-Gen. Predictors based on ThoroBrain or any other outside program or information source is violating the very essence of ENERGY!'s power! Any outside influence on K-Gen's readouts I feel would be a step backwards.

This does not hold true for our velocity programs. I feel that ThoroBrain's capacity for unlimited modeling makes it an ideal companion for all users of velocity programs.

The Psychology of Winning

By Howard G. Sartin, Ph.D.

My thanks to Lars Erickson, who imparted an excellent lesson while taking over this column in the last *Follow Up*.

We just finished mailing the last of several hundred Jungian type surveys given at our class in Beaumont and in Follow Up 21. With a few notable exceptions, client scores fit a normal curve, and except for names and occupations might well have been results from a college test sampling. The test determines Extro and Introvert Typology. The perfect balance is 60-40, regardless of whether dominated by E or I. For couples who took the test or for friends sharing test results, I should point out that on one test a given answer might be scored E while on another the SAME answer might be scored I. The determination on certain questions is based on previous answers. Those with more than two 0's (No Answer or an ambivalent answer) should be re-tested. Undecided is a very negative sign on this test; just as it is in handicapping.

Our subject this time is: MAGIC. Magic is the buzz word used by contemporary psychiatry in explaining why none of us can ever really succeed as professional "gamblers." We need to recall here that they view horse racing as being as much a gambling event as casino games; in some cases even more so.

Their thesis is that we are all deluded by a non-existent pot of gold at the end of a mythical rainbow because we were emotionally arrested at the oral stage of our behavioral development. This is the stage from birth to about 6 months. During this period, the infant has no rational thought processes. Rationality is a conditioned response. Our needs are taken care of. We are fed, our bodily emissions are cleaned up for us, we are presumably soothed when we cry out. In general, we are completely nurtured. Being pre-rational, the infantile mind assumes that all this happens through magic, because our needs are met through no effort of our own.

When one's emotional/behavioral growth is arrested at this stage, a self-centered, willfully irrational adult begins to emerge. Such personalities are manifest by those in the arts; especially the performing arts. Most parents will see oral fixation re-emerging in their offspring at puberty, in the form of teen-age psychosis. This is a natural phenomenon caused by unfamiliar glandular changes causing the ascending adult to try one more time to revert to its birth to 6 month old existence. By eighteen it is supposed to go away.

Not so with the "gambler," mainstream psychiatry insists. The gambler still clings to an irrational belief in "magic." It is the ingredient that is supposed to make the dice come up as desired, produce a

perfect 21 hand, make the roulette ball fall on a given number and, for the "horseplayer," bring home a horse or combination of horses in the proper order of finish.

In the eyes of my psychiatric peers, all systems and methods are viewed as magical by their users. This view is supported by my own experience with those who ordered the Methodology and failed with it within a few weeks or even days, complaining that it did not produce only one number that isolated the winner. All of these people received the same caveats that you did: that the Method was not an easy, pie-in-the-sky, get rich-quick magical formula. We stressed the necessity for hard work, attention to detail and the need to develop pattern recognition. And, most especially the requisite of eschewing all previous "hossy" precepts. When we pointed out these warnings to the complainers, they all said they never saw them or that they thought they were inserted as an advertising "come-on." In short, they thought they were purchasing a "Magic Device" that would feed them, soothe them and change their diapers.

While "magical" systems, now mostly computerized, still sell in the hundreds of thousands, they have been superseded in popularity by "tout services." *Racing Form* advertising is now dominated by phone services promising winners galore. Getting one's selections from a tout is comparable to relying on parents to take care of infancy needs. Tout service users revert to utter pre-rational thought dependency: Dial 800-Parent! Or in New York, Dial 900-GURU.

These ads, along with their huge public support, are ammunition for the guns of contemporary psychiatry's abstinence theory that is pointed at all of us who aspire to handicapping success. It is evident that a large number of North American "horseplayers" fit the diagnosis of "oral fixation," and should abstain until they are willing to mature.

The bottom line for those of us who still regard handicapping as a skill and an art, is that we are not only competing with the horse racing public for the pari-mutuel dollar, but also with an assortment of supposedly "expert" handicappers who run the tout services and pre-race breakfasts. Coupled with the proliferation of "velocity" methods, this could lead to lower mutuels at major tracks where the touts have some real claim to "expertise."

To date, we do not have enough evidence to draw any conclusions on the matter except in Southern California and New York City, where our velocity users have seen their mutuels drop from an average of \$10.40 to around \$9.80. Countering this, adept ENERGY! and Ultra-Scan clients have seen their average mutuels go up by as much as \$3.00. We still have a number of ENERGY! clients who insist upon treating the program as they would velocity, thus failing to reap its benefits. This problem, too, is more in the realm of the Psychology of Winning than in handicapping, per se.

While most of you are not orally fixated nor seeking "magical solutions" in your overall handicapping, you still manifest some of these characteristics in your money management AND in your approach to exotic wagering. A great number of clients still think they can make a good

profit from racing through \$20 wagers. An even larger number still cling to the notion that the horse second most likely to win will be the place horse in your exacta. While he is not a client and cannot be expected to accede to our dictum, James Quinn in his *ENERGY!* article last *Follow Up*, voiced surprise that the place horse only appeared in the top two Variegated choices only twice in 20 races.

This is, of course, supportive of our contention the place horse is most often the Counter Energy horse. Quinn will come to recognize this quickly. That is his talent. How long will it take all of our own clients to reach this point? Sometimes I get the impression that many of you, subjected to my constant nagging about discipline, proper money management and readout interpretation, still cling to illusions of "Magic" in the area of exotics. Perhaps this is your adaptation to pressure, a form of release. Part of you is still insisting that horse race wagering is gambling, which implies taking "fliers" and relying on fate.

I recently asked several seminar groups how much money they put through the mutuel machines every day. Surprisingly fewer and fewer hands were raised as I got past \$200. I wondered how many clients truly KNOW how much they invest per day. Do they count those little fliers here and there that add up to so much more than they think?

Over 50% of our Clients who report their win proficiency and profits to me show an average ROI of 50% per betting cycle. This is higher than the national average for PROFESSIONALS. It means for every dollar put through the windows, a 50 cent profit is earned. Making \$500 per week, which most of you tell me is a minimum wage, requires a \$1,000 per week investment. Over five days, that is \$200 per day minimum if you work five days a week. Fewer days: more per day average investment.

What keeps most of you from actually earning a 50% profit is your flier bets into areas where you have no proven proficiency. Exactas, daily doubles, etc. You know this. I've never heard anyone deny it. Your rationale is that these are "action" bets NOT serious wagers. Action bets eat away at a bankroll. No matter how one tries rationalizing them away, they are symptomatic of the oral fixation belief in "Magic" syndrome.

The solution lies in gaining skills and insights into the area of exotics. So long as you eschew the truths outlined in our 55% Solution Manual; so long as you persist in believing that the horse second most likely to win is the most likely place horse, you are flying in the face of established reality. Defying reality adds up to being orally fixated and believing in "Magic."

The Computer Column

by Dick Schmidt and Jim Bradshaw

Which Computer Should I Buy?

We'll start off with a message from Oklahoma.

* * * * *

"Turn out the lights, the party's over. All good things must come to an end . . ." This phrase from a popular song applies to the computers supported by the Methodology. We have come full circle, from big table top machines like the Co-Co and the C-64 to the small hand held Sharps and now back to desk tops. We have decided that in the future, the only machines we will support are the MS-DOS computers. The IBM and workalikes (clones).

I realize that there are going to be some complaints from long time users of other machines, and many will ask: "Why must I buy a new computer?" The answer is for the same reason you buy a new car or home as your family grows. The Apple, Commodore, Co-Co and Sharps are good computers, but we have outgrown them. We are moving on to graphical output and massive programs, and must leave behind some old friends. Starting with K-Gen, we will support only the MS-DOS machines. Of course, we will continue to offer all our old favorites for the other machines, but no major new software will be created for them.

The Methodology was first designed to be used with a hand held calculator, but then moved into the world of high technology and a new era of handicapping as home computers became available. ENERGY! showed us the limits of the smaller machines, and opened the doors to the future. With a new era of handicapping on the horizon, a new technology is needed, and the older machines no longer meet our needs.

A doctor, lawyer, or any other professional does not hesitate to get the latest equipment to keep up in his profession. Serious users of the Methodology should consider themselves to be professionals, and act like professionals. You should plan on obtaining the best equipment you can get to help you in your profession. We are fortunate that our profession provides an immediate cash flow as we become more proficient. Do not hesitate to invest some of your profits in your future.

We have settled on the MS-DOS machines because they are the most popular, are reasonably priced, will be with us for a long time and, most importantly, because I know how to program them to do the strange and wonderful things Howard wants done. The path to the future is clear.

* * * * *

As Jim says, we are moving into an IBM world. Not that you have to sling your old machines out the window. I'll carry my Sharp to the grave. One thing we must all remember is that our older programs work just as well as they ever did. I still do a lot of my handicapping on my Sharp. They

aren't broken, or made instantly unusable simply because a new program is introduced. Just as many of you have chosen to remain with the precision of Phase III or the ease of Synergism, you may well chose to stay with your current computer. However, if you decide that you want a new machine, here are a few things to think about before you buy one.

First off, there is no such thing as "an IBM clone." There are dozens of them, each with a specific purpose and set of advantages and disadvantages. You can pick up a laptop and take it with you, but it is 2 years behind what is available if you are willing to live attached to an electric outlet. There is a variety of different processors (the real heart of any computer), each running faster than the last. Do you really need a 486 computer to run ENERGY!? Let's look at what the marketplace has to offer in a quick overview.

We'll start with desk top machines, as I think that many of us overlook them in our rush to buy portables. They come in basically three different flavors: XT clones, AT clones and 386 machines. For the rest of this article, I am going to assume that you are buying a computer primarily for handicapping, and that any other use is secondary. If this is not so, buy your computer to fit your other needs: our programs will run on any machine capable of running MS-DOS.

XT clones are ancient history, but like Phase III they still get the job done. A complete no-name setup: computer, keyboard, one disk drive and a monochrome monitor can be found for under \$400 in most big cities or from mail order houses if you do some shopping. They are slow by current standards, but they can still run six horses through Synergism II or ENERGY! in under 2 seconds. If you do your work at home anyway, why accept the compromises built into a portable when you are never going to port it anyway? This machine may well be all you need for years yet.

The AT clone (286 processor) running at 10 or 12 MHz is a faster, more capable computer. I'm writing this article on one, and do the bulk of my handicapping on it as well. However, though it is vastly better at word processing, desktop publishing and managing *The Follow Up's* mailing list, it is really no better at handicapping. Buy one only if you need the speed for other things.

Same story with 386 machines (those with 386 processors), only more so. We're now looking at \$3-5,000 and blinding speed, but who really cares if Synergism II runs in half a second or an eighth of a second? Buy one of these (or the even newer 486 models) only if you have a real need for speed outside of handicapping.

There are any number of accessories that you can hang on, or cram into, your computer, but none will aid your handicapping much. Two disk drives are nice, a hard disk even nicer. Color is nifty, but doesn't pick winners. Modems, mice, trackballs and all the other paraphernalia have their place, but that place isn't handicapping. To run any program offered by the Institute, you need only one disk drive (either 5 1/4 or 3 1/2"), a monochrome monitor and a basic computer box. Anything else is just "bells and whistles."

One accessory you will need, whether you buy a laptop or a desktop is

a printer. I recommend a cheap 9 pin dot matrix printer that is Epson compatible. The easiest way to be sure a printer is Epson compatible is to buy an Epson printer, the largest selling brand. You can pick up the LX-810 for about \$175 or so, and they are built like little trucks. They never seem to break. If you want fancy print, like what you are reading right now, you can't beat a laser printer, but it won't print out K-Gen's graphic screens. Stick to the cheap stuff.

Now let's look at the portable computers. The same processor choices exist in portables, but most of them are XT clones. There are two features to consider when you look at a portable: the screen and the keyboard. The screen is by far the most important. You'll spend hours looking at this screen, so make sure you like it before you buy. A few portables, notably the Toshiba T-1000 and the Radio Shack, still come without backlit screens and are horrible to look at for long.

A backlit screen is just what it sounds like. There is a light behind the screen that shines through, making the display much easier to read in dim light. Outside in bright sunlight, none of the portables are really easy to read, but inside, backlighting is a blessing. A mixed blessing, in a way. That nifty backlight also drains the battery.

The keyboard is less important only because you have fewer choices. Only the older Sharp laptops offer a 10 key pad; the rest make you use the top row to enter numbers or hit some special shift keys to turn part of the keyboard into a keypad substitute. About all you can do is learn to live with an inferior keyboard, as even the Sharps are being replaced by newer, lighter models without the keypad. If you plan to do any word processing, you should test several computers, as they vary tremendously, but for handicapping, anything will do.

Though you can get them, I would recommend against buying a machine with a hard disk. They are heavy and drink battery power. You want to carefully consider weight. A computer that hurts your shoulder to carry more than 10 minutes is really a desktop machine in disguise. At a recent seminar, I was in a Las Vegas racebook a block and a half from our hotel with Bob Purdy, Jim Bradshaw, Michael Pizzolla, Bert Mayne and three or four clients. I was the only one with a computer; the others didn't want to lug their's around. And I had a Sharp 1360!

You want to consider the drawbacks to taking a computer to the races with you. They tend to tie you down. You must either have someone watch it, or take it with you whenever you go to bet or get a hotdog. I know very few clients who take a portable to the track on a regular basis. They are just such a pain to haul around.

So who should consider a portable? Those who travel, those who live in small houses and those who are afraid of computers. Travel is obvious: it is so easy to pack the computer and later set it up in your hotel room or racebook. If you move around, get a portable. The same is true for those who cannot dedicate a part of their home to a computer. If you need to put it away frequently, a portable is the only solution.

Those intimidated by computers will do better with a laptop. It has everything you need built in to one compact package, and if anything

breaks, the dealer who sold it to you is responsible for all of it. Generally, you stick in a disk and away you go. If you hate the idea of actually having to set up a new computer, stringing wires from component to component, a portable is for you. Think of it as the difference between a "boom box" and a component stereo. Both have their place, but aren't really interchangeable.

OK. You made your choice and have your new machine all unpacked and ready to go. What now? Here is a quick and dirty guide to getting started with an MS-DOS machine.

First off, an IBM clone is just a doorstop until you teach it to communicate with the outside world. You do this by loading a program called MS-DOS (or IBM-DOS, or even just DOS) into the computer. By the way, DOS stands for Disk Operating System, and it teaches the computer how to talk to disk drives and run programs, among other things. When you turn on your computer, you want to have your DOS disk in your disk drive, where the computer can find it. Those with some portables are lucky here; On a few models, DOS comes built in and is loaded automatically when you turn on the machine.

Now, once you load DOS, you remove your DOS disk and insert the disk that PIRCO sent you. You type the name of the program, and away you go. If you don't know the name of the program, or don't know what is on a disk, DOS will tell you if you type DIR. This displays all the files on the disk. If you have lots of files, try DIR/P or DIR/W. Any program you can run will end in the letters .exe or .com. Try them all. On our disks, you'll also find a mysterious program called BRUN30.EXE. This is not a program you can run. Don't worry about what it does, just know that it must be on any disk along with the program.

Remember if you are starting up (booting) your computer using a hard disk or two disk drives, you must tell the computer where to look for your programs. You do this by "changing" drives. Say you start out in C drive, which is what most hard disks are called. To run a program on a floppy disk, you must first tell the computer where it is; say your A drive. You do this by typing A:. Don't forget the colon after the drive letter. If you want to save races to, or load from another disk, you can do so by naming your race with a different drive letter before the name.

Say you keep ENERGY! in drive A and want a data disk in drive B. You would tell ENERGY! to save a race named 091090 as B:091090. To reload, you ask for B:091090. You can also use a data disk by starting up your handicapping program and then taking the disk out of the computer, replacing it with a formatted (be sure to read how to format a disk in the manual that comes with your computer. A disk won't work at all until it is formatted.) data disk. All our programs are held entirely in memory and, once loaded, do not access the disk except to save and read races.

One last bit and you're on your own. Eventually, your disk will become filled with old races and you'll need to get rid of them. A floppy can only hold about 120 files, even if it has room for more. If your program stops saving races, try removing some of the old ones. To remove a program or a race, you use the command DEL (delete) to tell DOS to erase a file. To erase a race named 091090.RAC, you type DEL 091090.RAC. Don't

forget that our programs add the extension .RAC to whatever you name your race. You need to tell DOS the full name of what you are trying to erase.

There is a handy shortcut, but **BEWARE!** This sucker can wipe out a disk so fast it will make your head swim. It is called a "wildcard." The most commonly used wildcard is the *. Say you have a bunch of races from last April that you no longer need. You were smart enough to use the date as the race name, so each starts 04. 0401S1 means April 1st, first race at Santa Anita on my disks. Rather than type DEL followed by the complete names of all the races I worked in April, I will type DEL 04*.RAC. This will remove any file whose name starts with 04 and ends in .RAC. As you can see, this could get you into a world of trouble in a big hurry if you aren't careful. Typing DEL *.* erases everything on the disk. If you want to delete a bunch of races that start with the letter M and type DEL M*.* without noticing that you also have the Money Management program on the disk, kiss your Money Management program goodbye.

Though it is possible for a sophisticated user to recover a deleted file, for most it is gone forever. Be careful with wildcards, and wherever possible make lots of backups.

A question that arises occasionally is what printer to use with a portable computer. I recommend the same printers used by the desktops. How often are you going to need to print something and not have access to an outlet? If you're at the track or in a racebook, a printer is out of the question and unnecessary to boot. Just look at the computer's screen. You can drive around in our programs fast enough that you can see everything you need several times without bothering with a printout. If you chose to print out your races, do it before you leave home or in the hotel room.

If you must have a small, portable printer, the Diconix by Kodak is a good choice. It is almost silent, has crappy print quality, needs special paper and costs about \$350. But it is small, light and runs on batteries. You pay your money and take your choice.

I'm not going to suggest specific brands of either desktop or laptop computers, as the market is constantly changing. Right now, the Toshiba and Panasonic laptops are the most popular with both Charter Members and clients, but that could change tomorrow. With desktops, if you've ever heard of the brand name, it costs too much. Buy unknowns for the best price. Mail order is usually the cheapest, and you can find and compare companies in any computer magazine. If you buy from a dealer, be sure he actually repairs the machines he sells. Most of the time, computers are as reliable as boat anchors, so don't buy service contracts or other expensive service arrangements. If it works for 30 days, chances are it will work forever.

If you want more information on DOS (and you do), I suggest checking out any bookstore worthy of the name. I know Crown Books has at least a dozen titles purporting to teach you everything you ever wanted to know about DOS. I recommend the book by Peter Norton. It is well written, uses simple language and Peter knows more about DOS than anyone. It's called *Peter Norton's Complete Guide to DOS* or something like that.

Free Software

Almost

There exists a body of several thousand programs called Public Domain on which no one owns the copyright. This means you can use them, copy them, give them away, do whatever you like with them. (Sort of like the pirates treat Phase III) And they cost nothing at all! Such a deal!!!

Though not exactly Public Domain, I wrote some software that has never been released officially for the IBM. So I'm going to offer it, together with a really nifty word processor and some other stuff I like, for free. Almost. The programs are free, the disks you pay for. And the envelopes and the stamps. I'm going to charge five bucks for each disk, and I make the disks up in batches, so if you want two programs, you buy two disks. You pays your money and takes your choice.

Disk One - The FFER or Final Fraction Energy Rating program. Just like the one in *The Follow Up*, but for the IBM. Fast and easy way to do FFER numbers and get PBS and % Median thrown in for free. Not copy protected, you can move it to another disk easily.

Disk Two - The Sprint-to-Route conversion program. Someone was nice enough to write this for us, and said we could give it away as we pleased. It saves the multipliers to disk and can be used at multiple tracks even if they have different multipliers. Much nicer than the one for the Sharp. Not copy protected.

Disk Three - For those using monochrome monitors who want to run K-Gen (and Deceleration when it gets here). As you may know, K-Gen won't run unless you have a monitor with color graphics. Since monochrome is both cheaper and better for many other applications, it seems silly to buy a new monitor just for one program. The utility program on this disk will allow K-Gen to be used on most monochrome monitors. I've tried it and it works well.

Disk Four - If you'd like to try using your computer to write something, but don't want to spend a lot for a word processing program, this is one of the best I've seen. It's called VDE and is completely menu driven (or works with the WordStar commands, but if you know the WordStar commands, why not use WordStar?) and easy to use. The disk also has a complete manual on it that you can print out. This is certainly the cheapest way to get into word processing. If you just want to write a note, a letter home or an article for *The Follow Up*, here you go.

Disk Five - For all those of you who have a computer and nothing to do with it when you aren't handicapping. How about a bunch of CASINO GAMES? We can't be serious all the time. This has craps, roulette, 21 (it counts cards for you) solitaire and a couple of others. Neat in color.

Disk Six - A set of four programs called ABC FUN KEYS. Games for kids 1 and up. Makes pictures and plays songs when they press a key. Will also teach typing while the kids aren't looking. Max loves it.

On each disk, I'll include a nifty program called LIST that enables you to read the manual (or anything else on a disk that is in English) without having to print it. On the handicapping disks, I'll put a brief description of the program and complete instructions on how to use it. I use this program constantly.

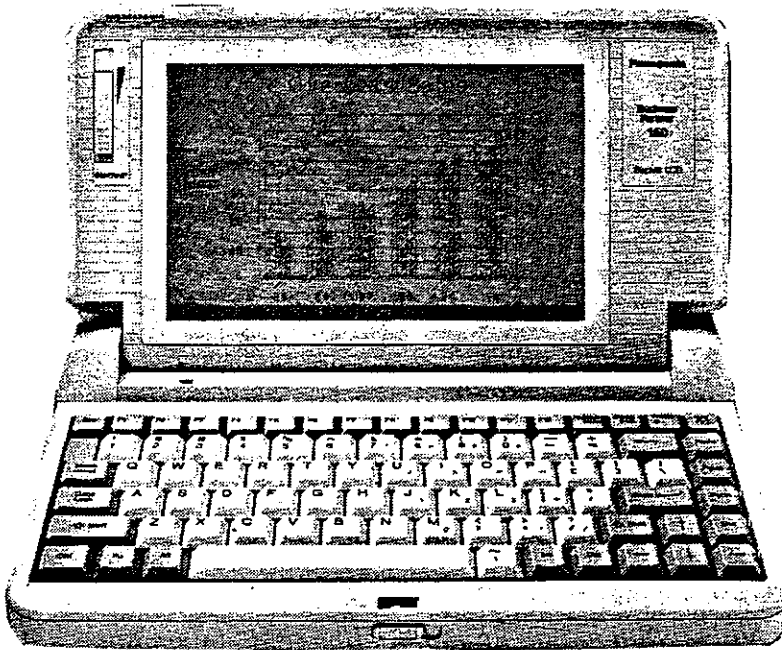
Order these disks from ME, not the PIRCO office. They have enough to do. My address is on the front cover. Be sure to tell me what size disks you want (3 1/2" disks survive the mail better) and give me your address.

-Dick.

* * * * *

Special Offer

On a Panasonic IBM Compatible Laptop Computer



I just found out about this around 6 hours before we went to press and stuck it in. For some time, I've provided the service of obtaining Sharp handheld computers for those who had trouble locating them locally. The distributor I deal with also handles the Panasonic line of computers. I recently heard Jim Bradshaw recommend the Panasonic laptop to several clients at Saratoga, so when my distributor offered me a good price on some, I told him I'd see if anyone was interested. He has several hundred of them for immediate delivery and the price is right: \$700 (list price is \$1,195).

This is a really nice, modern unit with all the features that make a perfect handicapping computer. It has a very good backlit screen, 640 K of memory, 8 MHz CPU, 3 1/2" disk drive with printer (parallel) and serial (mouse) ports built in. It runs off a rechargeable battery pack (you can get extra batteries if you want) or plug it in, DOS is built in and it weighs only 7 lbs. A very small, compact unit, it is one of the new "notebook" size computers that you can easily fit in a briefcase or tuck under your arm to take with you anywhere. I just bought a Toshiba T-1000SE a few months ago (naturally) for \$450 more than this machine and I like the Panasonic better. It comes with 1 year guarantee, and you can add a modem, a mouse or extra memory (up to 1600 K).

If you're interested, let me know soon, as this price is only good for the current stock; what the future will bring depends on the strength of the yen to the dollar. Spare batteries are \$35, shipping is \$15.00 (UPS ground) and California residents need to include the inevitable sales tax (6.75%). Make your check payable to Dick Schmidt, as I have to buy several at a time to get this price.

Q AND A With the Doc

Before we get to the specifics of this column, I would like to address all of you who are non-ENERGY! users who feel that we tend to take up too much space in *The Follow Up* with ENERGY! topics. The truth is, the subject matter is generic to the Methodology and can be equally applied in the interpretation of velocity readouts. Discounting Early horses that cannot sustain their early advantage to the end of the race is germane no matter what program you may be using. Likewise, noting where special adjustments are necessary has been an integral part of the Method from the beginning. So the essence of the following is applicable to ALL handicapping, not just to ENERGY!

Our primary question this issue regards making decisions for both ENERGY! and K-Gen. The question come from a client who has displayed a good over-all success rate; one of the best, in fact. His question indicates that, because of his general success, he is reluctant to deviate from procedures that usually work, but at times do not.

The two factors in ENERGY! and K-Gen that most require user decisions are:

- 1: WHEN to use the "E" Manual Adjustment instead of the Auto Adjust.
- 2: When and HOW to use the Change Variegate option.

The clients question reads:

"This is the kind of race that kills me. I must have lost 20 races like this since June. Is it because I used the wrong pace lines?"

My answer: NO. It's because you did not equalize the total Energy of all contenders in a circumstance that called for the "E" Manual Adjust.

Here Is the Race

4th Arlington



5 1/2 FURLONGS. (1.14%) CLAIMING. Purse \$8,500. Fillies. 3-year-olds. Weight, 121 lbs. Non-winners of two races since June 15, allowed 3 lbs.; a race since then, 5 lbs. Claiming price \$16,000; for each \$1,000 to \$14,000, allowed 2 lbs. (Races for \$12,500 or less not considered)

LASIX—Fille Wolf, Debba Doll, Cherry Flare.

Fille Wolf

Own.—Muckler T J-Haverhals J

Ro. f. 3(Mar), by Wolf Power—Lajitas, by Hall the Pirates		Br.—Saddle Home Farm (Ky)		1990 7 1 1 0		\$2,260	
Tr.—Muckler Timothy J		\$14,000		1989 2 1 0 0		\$3,332	
Lifetime 9 2 1 0		\$17,590		Turf 1 0 0 0			
5Aug90-1AP	6f :23 :46 1:12 fl	5-5 L 118	52 43 44 22 1	Day P2	12500	85-12	McCbsLdy,FilleWolf,Unforgiving 7
12Jly90-3AP	7f :23 :46 1:25 1/4 fl	8-5 L 116	43 31 11 16	Day P4	12500	81-11	Fille Wolf, Manners,KuhKuhKaty 9
16Jun90-10AP	1 1/4 :48 :1:12 1/4 :43 3/4 m	46 115	1 1/2 2nd 915 1222 1	AIIRD Jr 10	Aw15000	67-05	Cruise, Elegance, Dance for Bev 12
16Jun90—Wide early, bled							
28May90-4AP	6f :22 1/4 :46 3/4 :1:14 fl	12 116	43 43 58 1/2 518	Allen RD Jr 4	25000	73-13	LslHggms,Rockport Rd,Unforgvng 6
18Mar90-30P	6f :21 1/4 :46 :1:11 1/2 fl	5 1105	103 1/2 75 912 912	Jhnsn J M 4	Aw20000	74-18	BoldNanny,Dynwite,ShdyMedow 10
18Mar90—Steadied.							
4Mar90-70P	7 1/4 :47 1/2 :1:13 1/4 :1:45 1/4 fl	12 112	12 1/2 32 1/2 313 419 1/2	Kulz D 1	Aw20000	53-28	TrinRobbery,Mirth,PrincessBlum 6
4Mar90—Steadied.							
9Feb90-30P	1 :47 1/2 :1:13 1/4 :1:40 1/2 sy	11 114	51 1/2 55 612 617 1/2	Jhnsn P A 2	Aw18000	53-32	TmbrRbbon,TrnRbbry,MrcdsMss 10
9Feb90—Five wide.							
17Dec89-7Haw	6f :22 1/4 :47 1/2 :1:13 1/4 fl	11 119	31 1/2 2nd 2nd 1st	Sellers S J 3	Mdn	76-25	Fille Wolf, Cozily, Love Lindsey 12
17Dec89—Wide.							
30Dec89-7Haw	6f :22 1/4 :47 :1:13 1/4 fl	5 119	2nd 2 1/2 46 48 1/2	Mills J W 1	Mdn	66-27	Talculus,Sportin'Twin,BlueCrem 12
Speed Index: Last Race: -3.0							
Aug 1 AP 3f :36 B		Jy 28 AP 4f :47 1/2 H		3-Race Avg.: -8.3		6-Race Avg.: -6.5	
				Jy 8 AP 4f :47 1/2 H		Overall Avg.: -11.2	

Of the Moment

Own.—Pinkley J R

Ch. f. 3(Mar), by For The Moment—Restless Cat, by Restless Wind		Br.—Pinkley Jerry R (Okla)		1990 13 1 1 2		\$12,646	
Tr.—Vanier Harvey L		\$16,000		1989 8 M 2 0		\$8,537	
Lifetime 21 1 3 2		\$21,183		Turf 1 0 0 0		\$375	
8Aug90-1AP	6f :22 1/4 :46 1/2 :1:12 1/4 fl	5 116	33 32 1/2 21 43 1/2	Day P4	20000	88-09	SensitiveMorn,Gatap,Bully'sPride 5
8Aug90—Wide turn							
27Jly90-5AP	6 1/2 :22 1/4 :45 1/2 :1:17 1/4 fl	4 114	711 815 815 811 1/2	Day P3	22500	84-10	Jzzin'Mon,PeinSong,JudgeKeiser 8
16Jly90-4AP	6 1/2 :22 1/4 :45 1/2 :1:17 1/4 fl	5 116	42 32 11 31 1/2	Romero R P 2	20000	86-06	Jzzin'Mon,JudgeKisr,OfthMomnt 5
30Jun90-10AP	1 :48 1/2 :1:13 1/4 :1:39 1/4 m	27 114	34 43 52 1/2 53	Sellers S J 6	22500	78-15	Thr'sNoTilin,LdSld,TimlssMoton 10
24Jun90-1AP	7f :22 1/4 :46 1/2 :1:27 1/4 fl	5-5 L 114	42 1/2 56 1 1/2 1 1/2	Day P4	M16000	74-17	OftheMoment,Ocorum,KyMomnt 7
10Jun90-1AP	6f :22 1/4 :46 1/2 :1:13 1/4 fl	4 114	67 69 1/2 53 1/2 31 1/2	Day P1	M18000	77-12	FoyJoy,DefiantNtve,JungleLssie 7
24May90-3AP	7f :23 1/4 :46 1/2 :1:25 1/4 fl	4 113	53 1/2 75 1/2 713 617 1/2	Day P6	M25000	66-09	SkyLab,PrincessJoy,FillyaDyTim 9
12May90-6AP	7f :23 1/4 :47 1/2 :1:27 1/4 sy	21 113	53 65 819 821 1/2	Sellers S J 10	Mdn	50-18	Georgtti,StrikingMidnight,Stwrt 10
11Apr90-4Kee	6f :22 1/4 :46 1/2 :1:12 1/4 gd	7 121	72 1/2 64 59 1/2 67	Hawley S 4	Mdn	73-09	Sabina,LexingtonLass,Abduction 12
8Apr90-4GP	6f :22 1/4 :46 1/2 :1:12 1/4 fl	11 121	35 55 1/2 47 1/2 47 1/2	Romero R P 4	Mdn	74-19	QuiltyExchgng,Splic,DistinctivBrt 11
Speed Index: Last Race: -3.0							
Aug 5 AP 4f :47 H		Jy 24 AP 4f :49 B		Jy 13 AP 4f :47 1/2 H		Jun 24 AP 4f :48 E	
				3-Race Avg.: -2.3		9-Race Avg.: -12.1	
						Overall Avg.: -11.6	

Debba Doll

Own.—Hudson & Moore

Ro. f. 3(Jan), by Ratification—Deborah Anne, by Marshall's Dancer		Br.—Long Mack C Jr (Ark)		1990 6 2 1 0		\$12,596	
Tr.—Brennan Terry		\$15,000		1989 8 M 0 0			
Lifetime 6 2 1 0		\$12,596					
13Aug90-3AP	6f :22 1/4 :45 1/2 :1:10 1/4 fl	24 L 114	52 1/2 42 1/2 32 1/2	PettingDR 7	15000	84-05	DebbaDoll,GrndeFntsy,ColdSilver 8
4Jly90-5AP	1 :45 1/2 :1:10 1/2 :1:36 1/4 fl	7 L 112	65 58 1/2 59 59 1/2	Sellers S J 4	15000	78-06	Bid's Lady,RidgeLass,HiddenGem 9
7Jun90-6AP	6f :22 1/4 :46 1/2 :1:11 1/4 fl	8 118	65 1/2 78 1/2 614 616 1/2	Razo E Jr 4	20000	74-14	Billy'sPrd,CockltnSpm,PssthMny 8
18May90-10AP	1 :45 1/2 :1:10 1/2 :1:37 fl	15 115	53 1/2 812 814 915 1/2	Clark KD 7	Aw19000	71-06	VibrntFuture,JwBlL,RisingMomnt 9
10May90-6AP	6f :22 :46 :1:14 1/4 sy	12 113	46 1/2 35 23 1/2 33	Razo E Jr 4	M25000	74-18	DebbaDoll,SillynthAlly,Pssumslur 7
16Apr90-30P	6f :22 :46 1/2 :1:12 fl	4 117	64 1/2 53 1/2 21 1/2 22	Maple S 8	M15000	81-10	RockportRid,DbbDoll,DonNoritt 12
Speed Index: Last Race: -1.0							
Jun 25 AP 4f :49 B				3-Race Avg.: -6.0		4-Race Avg.: -6.7	
						Overall Avg.: -11.0	

Kuh Kuh Katy

Own.—Love Donald

Ok. b. or br. f. 3(May), by Slew's Folly—My Belle Georgina, by My Dad George		Br.—Barboline Joe & LoveCarole J (Ga)		1990 11 2 2 2		\$3,836	
Tr.—Loring B Dean		\$14,000		1989 0 M 0 0			
Lifetime 11 2 2 2		\$9,836					
Entered 15Aug90- 1 AP							
5Aug90-4AP	6f :23 :46 1/2 :1:12 fl	8 112	75 65 1/2 57 46 1/2	Fires E 1	10500	82-12	McCbsLdy,FilleWolf,Unforgiving 7
22Jly90-1AP	6 1/2 :22 1/4 :47 1/2 :1:19 1/4 gd	5 114	67 1/2 62 1/2 23 21 1/2	Ramos W S 4	9000	82-14	PyriteEagle,KuhKuhKaty,Mnners 6
22Jly90—5 wide							
12Jly90-3AP	7f :23 :46 1/2 :1:25 1/4 fl	22 113	98 1/2 87 1/2 44 1/2 36	Ramos WS 3	10500	75-11	Fille Wolf, Manners,KuhKuhKaty 9
1Jly90-6AP	6f :22 1/4 :46 1/2 :1:12 1/4 fl	2 114	77 810 711 612 1/2	Clark K D 4	9000	72-12	McCbsLdy,PyriteEgl,DelightfulGl 9
11Jun90-6AP	6 1/2 :22 1/4 :45 1/2 :1:18 1/4 fl	43 112	67 1/2 55 1/2 2nd 12	Clark K D 6	9000	90-09	KuhKuhKty,Bid'sLdy,GenuinDncr 8
11Jun90—Four wide							
27May90-1AP	6f :23 :47 1/2 :1:13 1/2 gd	24 115	42 53 1/2 713 713 1/2	Allen R D Jr 7	9000	68-12	ItalianKisser,Bid'sLdy,SewSunny 7
27May90—Four wide							
7Apr90-38ir	1 :48 1/2 :1:15 :1:43 1/2 gd	4 122	77 76 1/2 711 712	Wilson B G 2	5000	57-28	MinniMgus,FiryBush,FullCircLfl 8
20Mar90-68ir	1 :49 :1:15 1/2 :1:44 1/4 fl	2 122	36 24 22 1/2 1no	Wilson BG 1	M5000	66-31	KuhKuhKty,FiryBush,NotSocible 8
13Mar90-18ir	6f :23 1/2 :48 :1:16 fl	1 122	99 1/2 912 510 37 1/2	Wilson BG 2	M5000	59-26	SwtAppl,DrlyOldWomn,KhKhKty 9
3Mar90-58ir	6f :23 1/2 :48 1/2 :1:15 1/2 gd	4 122	52 1/2 52 1/2 21 2no	Wilson BG 3	M5000	70-23	Pgous,KuhKhKty,DrlyOldWomn 11
3Mar90—Very wide							
Speed Index: Last Race: -6.0							
		3-Race Avg.: -8.0		8-Race Avg.: -10.3		Overall Avg.: -10.1	

Sharp Whitney

Own.—Sharp Benjamin

112

Ch. f. 3(Apr), by Daranstone—Flag American, by Fleet Nasrullah
Br.—Meadowlake Farm (Ill)
Tr.—Reavis Michael L.

\$14,000

\$4,975

96

		Lifetime		9 1 1 1		52,975		WIN	
6Aug90-2AP	7f :224 :461 1:271ft	*1	113	2nd	1st	12	12	Diaz J L2	12500 74-13 ShrpWhitney,BeringDriv,Mn'sMic 8
18Jly90-3AP	6f :221 :452 1:184ft	13	115	2d	21	11	21	Silva CH12	12500 88-06 BtSmbdLd,ShrpWhitn,RhRlDncr 12
2Jly90-3AP	1 :464 1:123 1:392ft	51	113	12d	15	21	541	Diaz J L5	14000 63-25 WhirlingLow,L'Quave,Assagi'sJoy 5
3Jun90-4AP	1 1/4 :493 1:143 1:531ft	18	113	31	521	731	881	Diaz J L6	16000 70-14 Countess Quack, Shulters,Casilca 9
23May90-4AP	1 1/4 :483 1:133 1:533ft	15	113	12	11	213	38	Silva C H7	16000 66-15 EsterSunset,TnjMiss,ShrpWhitny 7
13Apr90-1AP	1 :473 1:142 1:42 m	41	113	21	1st	21	341	Diaz J L1	16000 56-22 NoRproch,Assagi'sJoy,ShrpWhitny 6
19Apr90-4OP	6f :213 :454 1:104ft	26	110	111	911	671	5141	SonnierTJ2	12500 74-12 LiquidFill,SlyintheAlley,CroQun 12
6Apr90-5OP	6f :222 :472 1:141gd	83	110	118	873	58	33	SonnierTJ2	13000 63-19 PdrPrd,Amnd'sBddy,ShrpWhitny 12
6Apr90—Four wide.									
23Mar90-3OP	6f :221 :471 1:13 ft	17	118	12111181111110123				GomezGK1	13000 65-15 Nicol'sDcson,K.C.Nlv,Sh'sLucky 12
Speed Index: Last Race: -13.0			3-Race Avg.: -11.0		5-Race Avg.: -13.0		Overall Avg.: -14.2		
Aug 5 AP 3 ft :39.8			Jun 21 AP 3 ft :39.8						1067

Cherry Flare

Own.—Sumpter Sam & Muller Paul

118

Dk. b. or br. f. 3(Feb), by Mr Washington—Made for Space, by Tri Jet
Br.—Running Meade Farm (Tex)
Tr.—Gore Terrel

\$16,000

\$27,090

		Lifetime		12 5 0 1		\$27,570			
27Jly90-6AP	6f :221 :451 1:173ft	9	118	431	431	56	631	Silva C H1	2500 82-10 Jzzin'Mon,PeinSong,JudgeKeiser 8
10Jly90-10Bml	6f :222 :464 1:13 (S)	*1	113	2nd	2nd	121	14	Silva CH12	12500 87-17 CherryFlre,KeyBidder,EsterSunst 8
22Jun90-2AP	6f :222 :462 1:133ft	*2-3	118	11	121	15	110	Silva C H1	12500 82-15 ChrryFlr,GrndFntsy,LondonBridg 7
7Jun90-6AP	6f :224 :463 1:113ft	31	116	413	451	57	5103	Silva C H2	20000 73-14 Billy'sPrd,CocklUsnSpn,PstthMny 8
7Jun90—Blocked turn.									
17May90-9AP	7f :214 :44 1:252ft	*21	116	2nd	13	13	141	Silva C H1	12500 83-12 CherryFlre,GenuineDncr,Veriovt 9
3May90-8Spt	6f :224 :472 1:194ft	31	113	21	21	33	7121	Silva CH12	12500 74-21 LaFab,Penny'sSecretry,SlinPurse 9
11Apr90-7Spt	6f :224 :463 1:202ft	*1	115	43	35	29	42	Silva CH12	12500 81-18 Clints Girl,Talculus,Bid Dartin 10
16Mar90-8Spt	6f :24 :473 1:133ft	31	113	221	1st	13	111	Silva C H2	12500 85-21 CherryFlr,ClintsGirl,DoubleNorm 10
26Mar90-3Spt	6f :24 :484 1:22 ft	21	113	11	12	14	161	Silva C H2	12500 78-24 CherryFlr,MiniAvngr,ClickingBuzz 9
25Oct89-4LaD	6f :222 :462 1:132ft	8	116	1115	913	713	712	ScotchPW5	12000 68-17 PeifickKitten,NlvBirritz,BoldNdi 12
Speed Index: Last Race: +2.0			3-Race Avg.: +1.0		10-Race Avg.: -2.5		Overall Avg.: -2.5		

SELECT TYPE OF AJUSTMENT

- 1) AUTOMATIC ADJUST ALL HORSES
- 2) ALTERNATE ADJUST ALL HORSES
- 3) MANUAL ADJUST ALL HORSES

Contender and Pace Line Analysis

The APV's indicate that the true contenders are FILLE, OF, DEBBA, SHARP and CHERRY. KUH is eliminated for reasons that I HOPE are obvious. We are obliged to take SHARP off a maiden win pace line that leaves it lacking in pace, speed and Kinetic Potential. Since CHER has five wins in only 9 starts, I will look at both its last race and the one two back from BML. I will do the same for FILLE, since it won most impressively TWO back.

The client threw out the favorite, CHERRY, reducing the race to only THREE contenders. Bully for him. But with only three contenders, the accuracy of the Variegate is likely to suffer. It certainly did in his readouts:

CLIENT'S READOUTS

ENERGIZER	DOLL						
VARIEGATE	EARLY✓						
PARAGON A	DOLL						
PARAGON B	DOLL						
RANK >	E	P	H	S	X	LX	MUV
<hr/>							
MOMET	2	2	2	2	2	3	9
DOLL	1	1	1	1	1	2	.90
WOLF6	3	3	3	3	3	1	2.45
<hr/>							
ENERGY>TOTAL	MFD		LEX				
<hr/>							
MOMET	167.77	68.82	31.18				
DOLL	167.94	68.42	31.58				
WOLF6	165.74	67.37	32.63				

NAME	TOTAL	MFD	FAC X
WOLF6	164.76	68.18	66.49
MOMET	167.77	68.82	65.74
DOLL	168.06	68.34	66.17
MATCH >	1ST	2ND	3RD
PACE	34.61	34.21	31.69
MOMET	34.61	34.21	31.2
DOLL	34.56	33.87	31.69
WOLF6	34.16	33.21	31.43
MUV >	EMUV	SMUV	UXR
MOMET	9	.166	.166
DOLL	.045	.045	.09
WOLF6	.206	.292	.498

As we can see, DOLL has the most Total Energy. 3.30 more than WOLF6. Since he had decreed that WOLF6 is a contender, the "E" manual adjust becomes MANDATORY here. Employing the "E" manual adjust and using just the three horses, which I have entered using their first names, (DOL is DEBBA, MOMENT is OF, WOLF6 is FILLE) produces a Sustained/Presser Variegate: i.e. other than Early. The computer predicts the win and place horses in proper order.

E N E R G Y *****

Pace	Matchup		
	F 1	F 2	F 3
CHER	35.17	34.34	30.49
OF	34.82	33.43	31.73
FILLE	34.54	33.60	31.84
DEBBA	34.51	33.82	31.65

Name	Various Units of Energy		
	Emuv	Smuv	uXr
OF	0.158	0.196	0.354
FILLE	0.217	0.217✓	0.433
CHER	0.000	0.455	0.455
DEBBA	0.201	0.265	0.465

PARAGON A	PARAGON B	ENERGIZER	VARIEGATE
DEBBA	DEBBA	CHER	S/P Presser

S/P Presser

	E P	P R	H E	S P	L X	F X	Muv
	===	===	===	===	===	===	===
CHER	1	(2)	(4)	(4)	4	4	0.00
OF	(2)	3(2)	3	3	2	(1)	0.74
DEBBA	3	1	1	1	3	3	1.40
FILLE	4	2	2	2	1	(2)	1.43

We will not stop here, however. To make these comments meaningful, we must do the races as most clients will, entering more horses from more lines. In so doing we get a prime example of when to use the change Variegated feature.

Here is the example:

Matchup				Varius			
	F 1	F 2	F 3	Units of Energy			
Pace	35.98	34.38	31.84	Name	Emuv	Smuv	uXr
CHER/2	35.98	33.11	30.90	CHER/2	0.017	0.332	0.348
CHER	35.17	34.34	30.48	CHER	0.135	0.590	0.726
OF	34.82	33.43	31.72	FIL/2	0.247	0.534	0.781
FIL/2	34.63	34.38	30.98	OF	0.293	0.331	0.624
FILLE	34.54	33.60	31.84	DEBBA	0.336	0.400	0.736
DEBBA	34.51	33.83	31.64	FILLE	0.352	0.352	0.704
				NOTE			
PARAGON A		PARAGON B		ENERGIZER		VARIEGATE	
CHER/		DEBBA		CHER		Early ✓	

We still see an Early Variegated. Now we must ask: can either of the first 2 Early go all the way. Certainly not CHER/2, the 0.00 MUV horse. How about CHER? 5-6-6-5 in the vital readouts beginning with Hidden; and starts to decelerate at Presser.

(C)HANGE VARIEGATE

Early

	E P	P R	H E	S P	L X	F X	Muv
	===	===	===	===	===	===	===
CHER/2	1	4	6	4	5	1	0.00
CHER	2	2	5	6	6	5	2.02
FIL/2	3	3	3	5	4	6	2.98
OF	4	3	4	3	2	2	2.78
DEBBA	5	1	1	1	3	4	3.40
FILLE	6	2	2	2	1	3	3.40

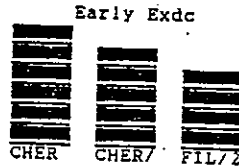
Take out both CHER Lines. The client did it initially, and he was correct. Now we get a Sustained Variegated.

ENERGY! Readouts - Sustained Variegated

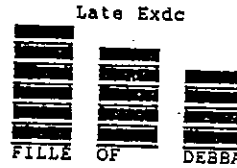
Matchup				Varius			
	F 1	F 2	F 3	Units of Energy			
Pace	35.98	34.38	31.84	Name	Emuv	Smuv	uXr
CHER/2	35.98	33.11	30.90	CHER/2	0.017	0.332	0.348
CHER	35.17	34.34	30.48	CHER	0.135	0.590	0.726
OF	34.82	33.43	31.72	FIL/2	0.247	0.534	0.781
FIL/2	34.63	34.38	30.98	OF	0.293	0.331	0.624
FILLE	34.54	33.60	31.84	DEBBA	0.336	0.400	0.736
DEBBA	34.51	33.83	31.64	FILLE	0.352	0.352	0.704
PARAGON A		PARAGON B		ENERGIZER		VARIEGATE	
CHER/		DEBBA		CHER		Sustained ✓	

Our Place horse OF, is the even paced horse, but some clients might have difficulty in perceiving this horse as the most likely to place. I urge you to confirm with the vital EXDC graphs and the Paragon B graph.

EXDC MATCH-UP



Early Match Up Exdc			
Name	1st	2nd	3rd
CHER/	0.00	7.39	6.94
CHER	4.49	0.21	6.92
OF	6.42	5.49	6.95
FIL/2	7.49	0.00	6.93
FILLE	7.98	4.51	6.94
DEBBA	8.13	3.20	6.93



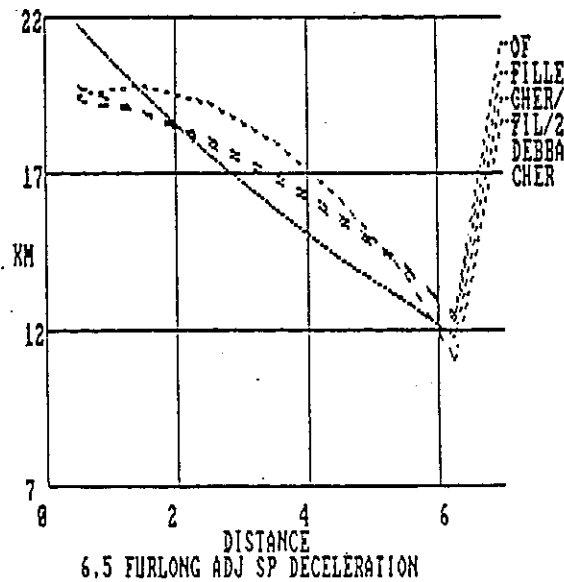
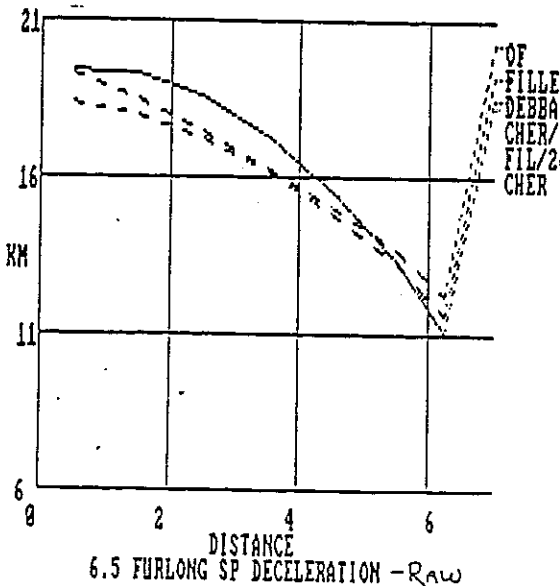
Late Match Up Exdc.			
Name	1st	2nd	3rd
CHER/	0.00	3.69	2.95
CHER	2.24	0.11	4.27
OF	3.21	2.74	0.36
FIL/2	3.75	0.00	2.69
FILLE	3.99	2.25	0.00
DEBBA	4.07	1.60	0.60

Paragon B Match Up Exdc

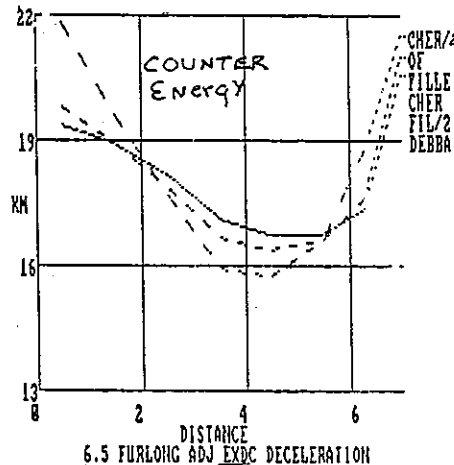
	X 1	X 2 4	X 3=OF 5=FILLE 6=DEBBA
	X	X	X
	X	X	X
	X	X 6	X
	v 2	X 5	X
	X 3	X 3	∴ 1=CHER/ 4=FIL/2
	X 4	X	X 2=CHER
	X 5 6	X 1	X
Start	1st	2nd	3rd

This is one of those 28% of the time situations where win Energy governs both the win and the place horse.

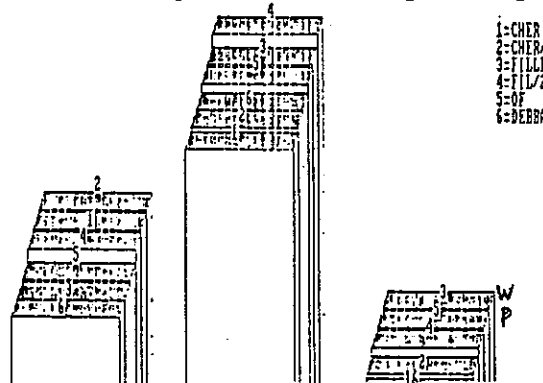
If we were using the Kinetic Generator, you would have seen this right from the beginning:



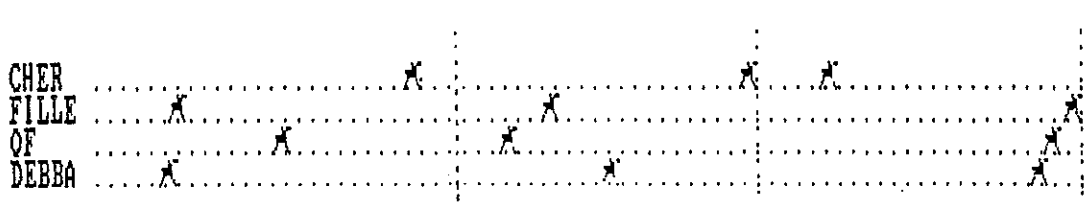
Our ENERGY! readouts dictate that we scratch CHER/2 & FILLE/2. Doing so really clarifies this race. We can explore the quinella further with the K-Gen. Only CHER/2, who we have scratched, shows up on the Counter Energy graph. Otherwise, OF gets the nod on both graphs. OF, then is the strongest of the contenders and becomes the horse designated to do no worse than place.



The 3D graphs confirm OF's overall superiority with FILLE right behind. Both CHER lines indicate Early with diminishing MKEXDC and LKEXDC. DEBBA, who is #1 Sustained on the ENERGY! sort, suffers badly on the more important Late EXDC Factor graph and is clearly out of contention. Hence we might even reconsider using it at all, especially for win or place consideration.



Editor Schmidt often gets miffed when I use material from advanced programs that are yet to be released. I feel that we should show them occasionally just to let you know that we are constantly working toward your increased proficiency. Any Advance over ENERGY!/K-Gen must demonstrate at least a 5% (One more winner in 20 races) improvement over its predecessor. We use 2,800 test races from all over North America to establish this prognosis. (Editor's Note: Editor Schmidt does not get miffed. He might get pissed, but never miffed. He is much too virile and manly to ever get miffed!)



The Arlington Million

From Adeline and Tony Hill

A couple of days after the running of the 1990 Arlington Million, the Hills came by the office with a copy of the Racing Form and their winning readouts for this big event. The Hills are in their 70's and are among the MOST PROFICIENT handicappers in Pirco. They are living proof that AGE is no barrier to successful handicapping.

They recently received the Kinetic Generator Program (KGEN) and this is one of their first results in using it to handicap a race. They wagered off-track at Del Mar where the win mutuel was over a dollar LESS than at Arlington Park.

Arlington Million

8th Arlington

1 1/4 MILES. (Turf). (1.58%) 10th Running ARLINGTON MILLION (Grade I). Purse \$1,000,000

LASIX—Classic Fame, Pleasant Variety, Ten Keys, Double Booked, Steinlen.

Golden Pheasant

STEVEN'S G L	126	Ro. c. 4, by Caro—Perfect Pigeon, by Round Table	
Own—Gretsky & Sunma Stable		Br.—Caroline & Vintage Meadow Farms (Ky)	1990 4 2 0 1 \$190,500
		Tr.—Whittingham Charles	1989 6 2 3 0 \$174,970
		Lifetime 10 4 3 1 \$365,470	Turf 10 4 3 1 \$365,470
12Apr90-80mr 1 1/4 @ 48:31:12:1:48:1fm 2 1/2	122	53 1/2 64 43 31 1/2	Suns GL 3 E Read H 35-06 FlyTillDwn, ClassicFme, GoldenPhsnt 8
12Apr90-Grade I			
28Apr90-8Hol 1 1/4 @ 48:31:37:42:03 gd 4 1/2	122	36 32 1/2 34 1/2 45 1/2	McCrrn CJ 5 Hol T F H 72-22 Steinlen, Hawkster, Santangelo 6
28Apr90-Grade I			
13Apr90-8Hol 1 1/4 @ 48:41:12:11:47 fm 7-5	120	44 41 1/2 34 1/2 11 1/2	McCrrn CJ 3 Jn Hory H 92-09 GoldenPhsnt, ClassicFme, Steinlen 5
13Apr90-Grade II; Bumped start			
22Apr90-55A 1 1/4 @ 45:41:09:1:45:4fm 4-5	116	109 1/2 84 22 11 1/2	McCrrn CJ 1 Aw42000 96 — GoldenPhsnt, FlyTillDwn, Kntiyr 10
22Apr90-Broke slowly; wide			
30Oct89 1/2 Longchamp (Fra) a 1 1/2 2:30 4gd 10	123	14	CrzAS ArcdeTriomphe CrrollHouse, Beher, Sim Andrews 10
17Sep89 1/2 Longchamp (Fra) a 1 1/2 2:32 1/2 7	123	11 1/2	Cruz A S Prix Neil (Gr 2) GoldenPhsnt, FrnchGlory, Nshwin 8
2Jly89 1/2 Cloud (Fra) a 1 1/2 2:35 4gd 7 1/2	121	2 1/2	CrAS GndPx de StCl (Gr 1) Sherrif's Str, GoldenPhsnt, Bcytino 6
11Jun89 1/2 Chantilly (Fra) a 1 1/2 2:34 4gd 9-5	121	2 1/2	CrzAS Prix du Lys (Gr 3) HarvestTime, GoldenPhsnt, Spiritail 8
30Apr89 1/2 Chester (Eng) a 1 1/2 2:34 1/2 6	123	2 1/2	Rbrts M Chester Vase (Gr 3) OldVic, GoldenPheasant, Warrshan 5
14Apr89 1/2 Newbury (Eng) 1 1/4 2:31 sf 4	126	1 1/2	Rbrts M Spring (Mdn) GoldenPhsnt, FirProspect, Cmbo 8
Speed Index: Last Race: +1.0	3-Race Avg.: -1.0	4-Race Avg.: -1.7	Overall Avg.: -1.7
Aug 3 Dmr @ 5 1/2 fm 5:1 B	Aug 25 Dmr @ 1 fm 1:39 1/2 H (d)	Aug 28 Dmr @ 5 1/2 fm 1:44 1/2 B (d)	Aug 9 Dmr @ 5 1/2 fm 1:51 H (d)

Alwuhush

BAILEY J	126	B. h. 5, by Neweyer—Beaming Bride, by King Emperor	
Own—Stronach F		Br.—Kewick Stables (Va)	1990 2 0 1 1 \$63,272
		Tr.—Penna Angel	1989 6 3 1 1 \$463,917
		Lifetime 18 5 3 7 \$612,944	Turf 18 5 3 7 \$612,944
21Jly90-8Al 1 1/4 @ 48:41:11:41:52 fm 2 1/2	121	32 31 1/2 42 1/2 35	Perrt C 8 Casar Int H 98-10 Steinlen, Capades, Alwuhush 8
21Jly90-Grade II			
7Jly90-88el 1 1/4 @ 48:31:36:32:12 1/2 fm 2 1/2	121	32 31 1/2 31 1/2 21 1/2	Sntos JA 5 Tidal H 101-05 WithApprovl, Alwuhush, GreenBrb 5
7Jly90-Grade II			
13Nov89-85A 1 1/4 @ 46:21:34:41:58 fm 4 1/2	120	21 1/2 1nd 13 1/2 14 1/2	Snts JA 9 C F Brk H 106 — Alwuhush, FranklyPerfect, Spiritail 10
13Nov89-Grade I			
23Sep89-88el 1 1/4 @ 51:11:43 2:20 4sf 4 1/2	126	32 21 22 35 1/2	Vsqz J 7 Man O'war 47-47 YankeeAffir, MyBigBoy, Alwuhush 8
23Sep89-Grade I			
13Aug89 1/2 GelsHorst (Ger) a 1 1/2 2:32 3gd 4 1/2	132	21 1/2	Crson W Aral Pokal (Gr1) Mondrian, Alwuhush, Taishan 8
17Jun89 1/2 Milan (Italy) a 1 1/2 2:26 1/2 2 1/2	132	11 1/2	Crsw GranPremiodiMilno (Gr1) Alwuhush, Tissend, LowThGroom 10
14Apr89 1/2 Rome (Italy) a 1 1/2 2:02 3gd 2 1/2	128	12	Crsw Presidente dellaRep (Gr1) Alwuhush, LoveTheGroom, Tissend 9
23Apr89 1/2 Sandown (Eng) 1 1/4 2:18 2sf 20	122	8	Eddr P GordonRichardStks (Gr3) IndinSkimmer, RrQuod, CrrollHous 9
14Oct89 1/2 Newmarket (Eng) 1 1/4 1:55 3gd 2 1/2	124	34 1/2	Carson W DarleyStk MediaStarguest, Organz, Alwuhush 6
30Sep89 1/2 Goodwood (Eng) 1 1/4 2:09 3gd 2 1/2	118	16	Cchr R Foundation Stakes Alwuhush, AlMufti, EarlyCal 5
Speed Index: Last Race: +3.0	3-Race Avg.: +6.5	4-Race Avg.: +3.5	Overall Avg.: +3.5
Aug 23 Bel @ 5 1/2 fm 5:8 B	Aug 16 Bel @ 5 1/2 fm 5:8 H	Jy 5 Bel @ 5 1/2 fm 5:8 1/2 B (d)	

El Senor**CORDERO A JR**
Own.—Old Mill Farm

126

Re. A. 6, by Valdez—Sunrise Sue, by Grey Dawn II

Br.—Pantainbleau Farm (Ky)

Tr.—Wright William W

Lifetime 30 9 7 3 \$1,321,795

1990 5 1 0 1 \$228,312

1989 10 3 3 1 \$662,497

Turf 27 9 7 2 \$1,319,825

28Jly90-88el 1½ @ 5122:0332:28 fm 3½

119 54½ 34 1hd 12½ CrdrAJr 1 Sword Dncr 90-13 El Senor, With Approval, Hodges By 7

28Jly90-Grade I

7Jly90-88el 1½ @ 4831:3632:121fm 2½

121 54 43½ 43 42½ CrdrAJr 4 Tidal H 100-05 With Approval, Alwuhush, Green Brb 5

7Jly90-Grade II; Hit gate st

17Jun90-88el 1½ @ 4711:34 2:101fm 4

121 710 66 35 31½ CrdrAJr 3 Bwl Grn H 110 — With Approval, Chenin Blnc, El Senor 9

17Jun90-Grade II

22Apr90-8SA a1½ @ 4822:2522:463fm 2½

121 55½ 711 67½ 45½ PncLJr 5 J Cp Iv H 106 — Delegant, Valdali, Hawkster 7

22Apr90-Grade I; Bumped start

25Mar90-8SA 1½ @ 4541:5912:251fm 9½

126 613 617 611 42½ PncLJr 2 Sn Ls Ry 85-15 Prized, Hawkster, Frankly Perfect 6

25Mar90-Grade I

4Nov89-9GP 1½ @ 4832:0332:28 gd 3½

126 118½ 1119 97½ 76½ McCIWH 14 Br Cp Trf 79-13 Prized, Sierra Roberta, Star Lift 14

4Nov89-Grade I

8Oct89-88el 1½ @ 4742:0212:271gd 3

126 65½ 54 22½ 2½ McCIWH 8 Trf Classic 87-16 Yankee Affair, El Senor, My Big Boy 7

8Oct89-Grade I

25Sep89-88el 1½ @ 5111:43 2:20½f 7-5

126 814 816 613 615 McCIWH 1 Man O'war 38-47 Yankee Affair, My Big Boy, Alwuhush 8

25Sep89-Grade I

25Sep89-8AP 1½ @ 4911:3912:033fm 14

126 107½ 86½ 53½ 41 McCIWH 1A Million 75-25 Steinlen, Ldyin Silver, Yankee Affair 13

25Sep89-Grade I; Steadied early

28Jly89-88el 1½ @ 4942:0342:27 hd 4-5

118 57½ 33 22 1½ McCIWH 3 Srd Dncr 88-95 El Senor, Nediym, My Big Boy 7

28Jly89-Grade I

Speed Index: Last Race: +3.0 3-Race Avg.: +6.0 10-Race Avg.: -0.1 Overall Avg.: -0.1

Avg 25 Bel 4 ft :48½ H

Avg 22 Bel 4 ft 1:17½ B

Avg 16 Bel 5 ft 1:42 H

Avg 3 Bel 4 ft 1:12½ B

With Approval**PERRET C**

Own.—Kingshaven Farms

126

Re. C. 4, by Caro—Passing Mood, by Buckpasser

Br.—Kingshaven Farms Ltd (Ont-C)

Tr.—Attfield Roger

Lifetime 20 13 3 0 \$2,141,540

1990 8 5 1 0 \$321,840

1989 10 6 2 0 \$1,772,150

Turf 8 7 1 0 \$1,532,760

18Apr90-8WO 1½ @ 46 1:1121:421fm 1-6e

126 46 43½ 2½ 1½ SymourDJ 8 Aw 35200 84-16 With Approval, Brvr By ThDy, Asturno 8

28Jly90-88el 1½ @ 5122:0332:28 fm 1-2

124 42½ 2hd 2hd 22½ RrRP 5 Sword Dncr 87-13 El Senor, With Approval, Hodges By 7

28Jly90-Grade I

7Jly90-88el 1½ @ 4831:3632:121fm 2-3

122 2½ 1hd 11 11½ Perret C 3 Tidal H 102-05 With Approval, Alwuhush, Green Brb 5

7Jly90-Grade II

17Jun90-88el 1½ @ 4711:34 2:101fm 6-5

118 33½ 21 1hd 11½ Perret C 1 Bwl Grn H 112 — With Approval, Chenin Blnc, El Senor 9

17Jun90-Grade II

1Jun90-3WO 1½ @ 4811:1131:413fm 2-5

126 74½ 64½ 34 13½ SrDJ 3 Connghit Cp 102 — With Approval, Totof Rum, Shpody By 9

1Jun90-Grade III-C

12Mar90-10Pim 1½ @ 464 1:103 1:53 ft 9½

118 46 55 813 917 RrRP 3 Pim Spec H 84-16 Criminal Type, Ruhlmnn, DeRoche 10

12Mar90-Grade I

24Apr90-3Kee 1½ @ 4841:1331:433fm 3-5

115 33 2hd 11½ 12½ RomeroRP 3 Aw 26900 96-03 With Approval, Rings Chnc, Rngrmn 7

7Mar90-8GP 7f :224 :46 1:234ft *1

122 95½ 76½ 67½ 65½ SymourDJ 5 Aw 24000 82-16 Crbrndm, Twc Too Mny, Shltlmm 10

7Mar90-Brushed

20Aug89-8WO 1½ @ 4832:0422:29 fm 3-5

126 43½ 1hd 16 17½ SrDJ 3 Breeders 95-05 With Approval, Most Vint, Tid Slmnc 13

20Aug89-Grade I-C

30Jly89-8FE 1½ @ 493 1:142 1:564ft *4-5

126 21½ 3½ 2hd 1hd SrDJ 5 Prn OWales 96-14 With Approval, DomscDn, Most Vint 5

30Jly89-Grade I-C

Speed Index: Last Race: 0.0 3-Race Avg.: +2.3 7-Race Avg.: +3.1 Overall Avg.: +3.0

Avg 30 WO 5 ft 1:01½ B

Avg 15 WO 5 ft 1:00½ B

Avg 9 WO 4 ft :47½ B

Avg 25 WO 5 ft :58½ B

Prized**DELAHOUSSEY E**

Own.—Clovat-Meadowbrook et al

126

Re. A. 6, by Tr. C. 4, by Kris S—My Turbulent Miss, by My Dad George

Br.—Meadowbrook Farms Inc (Fla)

Tr.—Drysdale Nell

Lifetime 13 8 2 2 \$2,157,305

1990 2 2 0 0 \$247,000

1989 7 4 0 2 \$1,884,705

Turf 3 3 0 0 \$1,147,000

25Mar90-8SA 1½ @ 4541:5912:251fm 8-5

126 25 35½ 34½ 13½ DlhssE 1 Sn Ls Ry 88-15 Prized, Hawkster, Frankly Perfect 6

25Mar90-Grade I

4Mar90-8SA 1½ @ 45 1:09 1:242fm 3½

124 9½ 67 44½ 11½ DlhssE 2 Arcadia H 91-18 Prized, Happy Toss, On The Menu 9

4Mar90-Grade III

4Nov89-9GP 1½ @ 4832:0332:28 gd 8½

122 42½ 43½ 31 1hd DlhssE 3 Br Cp Turf 85-13 Prized, Sierra Roberta, Star Lift 14

4Nov89-Grade I

7Oct89-88el 1½ @ 483 2:05 2:291ft 5

121 25 59 514 424½ DlhssE 7 J C Gold Cp 50-23 EsyGoer, Cryptoclernce, Forvr Silver 7

7Oct89-Grade I

10Sep89-3WO 1½ @ 462 1:36 2:02 ft 2½

123 56 32 31 1½ DlhssE 1 Molson M'In 96-12 Prized, Charlie Barley, Domasca Dan 8

10Sep89-Grade I-C

23Jly89-8Hol 1½ @ 473 1:362 2:014ft 5

120 44 22½ 24 13½ DlhssE 5 Swaps 83-18 Prized, Sunday Silence, Endow 5

23Jly89-Grade II; Wide

3Jly89-8Hol 1½ @ 463 1:102 1:482ft *2½

116 96½ 76½ 44½ 32½ DlhssE 2 Shvr Scr H 93-10 Rise A Stnz, Broke The Mold, Prized 12

3Jly89-Grade II; Bobbled start

1Jan89-8SA 1½ @ 46 1:103 1:484ft 3½

116 67½ 73½ 22½ 11½ DlhssE 5 Brdby 85-15 Prized, Gro Lover, Exemplary Leder 10

1Jan89-Grade II; Bumped st

7Jan89-11Crc 1½ @ 494 1:142 1:522ft 6½

114 33 32½ 35½ 37½ BrenK 3 Trp Pk Dby 80-13 Big Stinley, Appelling Plesure, Prized 6

25Dec88-7Crc 1½ @ 491 1:143 1:54 ft 2

117 1½ 11½ 14 18 Breen R 1 Aw 1900 80-18 Prized, Drby's Secret, Classic Exmple 7

25Dec88-Grade II

Speed Index: Last Race: +3.0 3-Race Avg.: +3.3 3-Race Avg.: +3.4 Overall Avg.: -1.4

Avg 30 AP @ 4 ft :54 B

Avg 23 Dmr @ 1 fm 1:43 H

Avg 17 Dmr 1 ft 1:38 H

Avg 11 Dmr 7 ft 1:28 H

Classic Fame**MCCARRON C J****126**

Own.—Classic Fame—Kendrick—DeBurgh

B. c. 4, by Nijinsky II—Family Fame, by Droll Role

Br.—Klinderhill—Aron Associates 1964 (Ky)

Tr.—James Gary

Lifetime 10 5 2 1 \$497,248

1990 5 2 2 1 \$251,500

1989 2 0 0 0

Turf 10 5 2 1 \$497,248

12Aug90-80mr 1 1/4 @ 48:11:1221:481fm *21 LB 119 2 1/2 21 2 1/2 2nd DlhssE4 E Read H 97-06 FlyTillDwn, ClassicFme, GoldnPhsnt 8

12Aug90—Grade I; Lugged out

4Jly90-8Hol 1 1/4 @ 46:41:1021:474fm 8-5 L 117 42 41 42 1 1/2 DlhssE1 Amrcn H 88-16 ClassicFme, Steinlen, PlesntVriety 7

4Jly90—Grade II; Boxed in 1/8

17Jun90-8Hol 1 1/4 @ 46:21:0931:392fm *7-5 117 67 66 45 3 1/2 DlhssE4 Ingldw H 97-04 MohamedAbdu, Peace, ClassicFme 7

17Jun90—Grade II; 4-wide stretch

13May90-8Hol 1 1/4 @ 48:41:1211:47 fm 3 1/2 117 11 2nd 1st 21 1/2 DlhssE4 Jn Hury H 91-09 GoldenPhsnt, ClassicFme, Steinlen 5

13May90—Grade II; Bumped start

12Apr90-8SA 1 @ 46 1:09 1:332fm 9-5 116 22 23 1 1/2 1 1/2 DlhossyE4 Aw54000 96-04 ClassicFm, ImpossiblStrm, MswkTrn 8

12Apr90—Drifted out late

7Jun89-3Epsom (Eng) 1 1/4 2:34gd 33 126 @ 718 Reid J Derby Stakes Nashwan, Terimon, Cacoethes 12

20May89-4Curragh (Ire) 1 1:372gd 8 126 @ 56 GlispD Irish 2000 Guineas (Gr1) Shdi, Gret Commotion, DistnRltiv 12

16Oct88-4Curragh (Ire) 1 1:462yl *1-2 130 @ 1st Reid J Beresford Stakes (Gr2) ClassicFme, Princelbrhim, FreeSwtr 6

10Sep88-3Curragh (Ire) 7 1:28 gd *2 126 @ 12 Reid J National Stakes (Gr1) ClassicFme, AlwaysVint, Stonefike 12

3Sep88-1PhoenixPK (Ire) 7 1:234gd *4-5 123 @ 13 GillespiD Belleville Plate ClassicFm, JustMillionir, YstrsAbu 12

Speed Index: Last Race: +3.0 3-Race Avg.: +3.0 5-Race Avg.: +1.8 Overall Avg.: +1.8

Aug 27 Dmr @ 61 fm 1:16 1/2 H (d) Aug 28 Dmr @ 41 fm :49 1/2 H (d) Aug 6 Dmr @ 71 fm 1:26 H (d) Jy 30 Dmr @ 61 fm 1:16 1/2 H (d)

Pleasant Variety**FIRES E****126**

Own.—Alpert M B & Eileen

B. h. 6, by Pleasant Colony—Variety Show, by T V Lark

Br.—Evans T M (Ky)

Tr.—Fanning Jerry

Lifetime 46 7 9 11 \$361,707

1990 5 2 0 2 \$308,550

1989 16 2 4 5 \$433,000

Turf 33 5 6 9 \$804,100

11Aug90-8AP 1 1/4 @ 48 1:3822:04 sf 5 L 115 68 43 21 12 1/2 Fires E4 Arlington H 92-08 PlesntVriety, DoubleBookd, TnKys 7

11Aug90—Grade II

21Jly90-8AIL 1 1/4 @ 48:41:1141:52 fm 16 L 116 84 76 77 57 DlhssE3 Casar Int H 96-10 Steinlen, Capades, Alwuhush 8

21Jly90—Grade II

4Jly90-8Hol 1 1/4 @ 46:41:1021:474fm 12 L 116 75 73 2 1/2 32 VinIPA2 Amrcn H 87-16 ClassicFme, Steinlen, PlesntVriety 7

4Jly90—Grade II; 4 Wide stretch

16Jun90-8GG 1 1/4 @ 48:11:3742:153fm 4 1/2 116 61 55 22 32 1/2 VinIPA3 G G H 90-10 PetiteLle, Valdali, PleasantVariety 11

16Jun90—Grade II

24May90-8Hol 1 1/4 @ 49:11:1321:423fm 3 1/2 116 31 3 1/2 1st 12 1/2 VlenzuIPA5 Aw43000 82-18 PlesntVriety, SudiDesrt, GyBurslm 6

10Dec89-8Hol 1 1/2 @ 50:32:0312:263fm 12 126 86 75 65 33 DlhssE2 Hol Trf Cp 85-12 FrnklyPrct, YnkAffir, PlesntVriety 10

10Dec89—Grade I

4Nov89-9GP 1 1/2 @ 48:32:0332:28 gd 36 126 129 121 87 65 Solis A7 Br Cp Turf 80-13 Prized, Sierra Roberta, Star Lift 14

4Nov89—Grade I

14Oct89-8SA 1 1/2 @ 46:41:59 2:224fm 11 126 917 614 611 63 1/2 Solis A7 Oak Tree Iv 92 — Hwkster, PyTheButler, SrtogPssge 9

14Oct89—Grade I; 4-wide into lane

23Sep89-10LaO 1 1/4 @ 50:31:4122:171fm *2 117 84 83 31 11 Solis A6 Lad H 80-15 PlesntVriety, ChninBlnc, SilvrCircus 9

23Sep89—Grade III; Five wide; Run in divisions

7Sep89-8AP 1 1/4 @ 49:11:3912:033fm 34 126 139 109 75 74 1/2 Toro F13 A Million 72-25 Steinlen, LdyinSilver, YnkAffir 13

7Sep89—Grade I

Speed Index: Last Race: 0.0 3-Race Avg.: +3.0 10-Race Avg.: -1.7 Overall Avg.: -1.7

Aug 21 AP @ 61 fm 1:15 1/2 B Aug 6 Dmr @ 61 fm 1:14 1/2 H (d) Jy 14 SA @ 61 fm 1:13 H

Saratoga Passage**DAY P****126**

Own.—Saratoga I Stable

Ch. g. 5, by Plateau—Lordown, by Barrydown

Br.—Beck M & Helen (Wash)

Tr.—Frankel Robert

Lifetime 19 6 3 3 \$731,212

1990 3 0 0 0 \$17,500

1989 9 3 1 3 \$400,000

Turf 7 2 1 1 \$330,500

12Aug90-80mr 1 1/4 @ 48:11:1221:481fm 5 1/2 B 116 65 53 53 53 BICCA2 E Read H 94-06 FlyTillDwn, ClassicFme, GoldnPhsnt 8

12Aug90—Grade I; Broke slowly

13Jly90-7Hol 1 1/4 @ 48 1:3632:003fm *7-5 118 121 116 83 41 1/2 PclJr 11Jm Mry H 89-11 Shotiche, Record Boom, Kaboi 12

13Jly90—4-wide stretch

29Jun90-7Hol 1 1/4 @ 47:11:1111:413fm *2 118 68 54 45 44 1/2 PncylJr 2 @Fiesta H 82-13 LvThDrn, FlyTillDwn, ExclvsPrtr 12

29Jun90-8SA 1 1/2 @ 46:41:58 2:224fm 3 1/2 126 816 816 59 36 DlhssE2 Oak Tree Iv 95 — Hwkster, PyTheButler, SrtogPssge 9

14Oct89—Grade I

4Sep89-80mr 1 1/4 @ 48:41:38 2:151fm *9-5 118 42 2 1/2 1 1/2 2nd StsGL2 Dmr Inv H 93-15 Payant, SaratogaPssge, NoReview 9

4Sep89—Grade II

13Aug89-80mr 1 1/4 @ 46:41:11 1:49 fm 5 1/2 116 815 812 54 12 1/2 DlhssE3 E Read H 88-15 SartogPssge, SkipOutFront, Pskos 8

13Aug89—Grade I; Wide into stretc

31Jly89-80mr 1 @ 48 1:1221:364fm *2 116 73 62 51 1st DlhossyE2 Aw55000 87-13 SrtogPssge, TrulyMet, LoylDouble 9

4Jun89-8Hol 1 1/4 @ 46:21:1011:464ft 26 115 34 54 65 68 1/2 DlhossyE3 Clfrn 94-14 Sabona, Blushing John, LivelyOne 6

4Jun89—Grade I

13May89-9Pim 1 1/4 @ 46:21:10 1:531ft 24 116 10141011 913 67 1/2 DisseE3 Pim Spec H 93-10 BlushingJohn, ProperRlity, Grncus 12

2Apr89-8SA 1 1/4 @ 45:41:1011:471ft 6 1/2 116 611 59 45 34 1/2 DisseE2 Sn Brndn H 88-15 Ruhlmann, LivelyOne, SaratogPssge 6

2Apr89—Grade II

Speed Index: Last Race: 0.0 3-Race Avg.: -1.5 7-Race Avg.: +0.1 Overall Avg.: +1.5

Aug 31 AP @ 41 gd :48 1/2 B Aug 25 Dmr @ 71 fm 1:30 1/2 H (d) Aug 24 Dmr @ 41 fm :50 1/2 H (d) Aug 3 Dmr @ 51 fm 1:02 1/2 H (d)

Ten Keys**DESORMEAUX K J****126**

Own.—Linross C T

Dk. h. or br. h. 6, by Sir Ivor Again—Mabs a Babs, by Exceedingly

Br.—Bendit Richard (Md)

Tr.—Pine Michael V

Lifetime 51 20 8 4 \$1,158,211

1990 7 4 0 1 \$387,543

1989 15 6 4 1 \$448,295

Turf 37 18 5 4 \$1,108,955

11Aug90-8AP 1% ①:48 1:3822:04 sf *6-5 L 121 56 63 33 33 33 DsrKJ2 Arlington H 89-08 PlesntVriety,DoubleBookd,TnKys 7	
11Aug90-Grade II; Four wide turn	
15Jly90-10Rkm1% ① 1:473fm*6-5 LB 122 43 21 11 11 11 PrtC 2 Nh Swpstk H 101-06 TenKeys,Achenar,PhntomBreeze 12	
15Jly90-Grade III	
17May90-9Fim 1% ①:5042:0922:354yl *1 124 34 23 23 67 4 DsrKJ2 Dixie H 57-36 TwMccsns,MyBgBy,Mkrsmshp 10	
17May90-Grade III	
18May90-8CD 1% ①:50 1:1411:504yl 8-5 120 32 31 21 11 11 DsrKJ2 E Times 90-10 TenKeys,YankeeAffair,StellarRivi 5	
18May90-Grade III	
14Apr90-6Kee 1% ①:4941:15 1:514yl 5 123 61 41 11 11 11 RmrRP 1 Elkhorn 83-15 Ten Keys, Yankee Affair, Maceo 8	
14Apr90-Grade II	
1Apr90-9FG a1% ①:50 1:1421:522gd*2-3 121 95 75 43 42 4 DsrKJ2 Life Gold Cp 94 — TowrAbov'Em,Allyb,ForgnSrvvor 12	
27Feb90-9FG a1% ①:5141:1641:482fm*3-5 123 32 21 12 12 12 DsrKJ2 M Gras H 84-21 TenKys,Jck'sKingdom,JckthHck 11	
16Dec89-7BM a1% ①:4711:1111:463fm 8 118 89 45 31 13 DsrKJ2 B M H 97-12 Ten Keys, Colway Rally, Nediym 12	
16Dec89-Grade II	
12Nov89-10Lrl 1% ①:5142:0942:344yl 3 121 55 33 33 12 12 DsrKJ2 Turf Cup H — TenKeys,Coosargg,PoliticiProfit 13	
12Nov89-Grade III	
5Nov89-10Lrl 1% ①:4921:14 1:51 yl *4-5 120 65 67 31 11 11 DsrKJ2 Find H 73-22 Ten Keys, Rebuff, Timely Warning 9	
Speed Index: Last Race: -3.0 3-Race Avg.: -1.0 9-Race Avg.: +0.3 Overall Avg.: +0.3	
Aug 25 AP ① 47d :54B (d) Aug 24 AP 71 fl :1:273 H Aug 8 AP 4 fl :481 B Jly 12 Bow 4 fl :433 B	

Double Booked**MADRID A JR****126**

Own.—Gerham Robert

Dk. h. or br. g. 5, by Mari's Book—Plewing Bowl, by Damascus

Br.—Mayer Len (Ky)

Tr.—Rice Linda

Lifetime 32 9 4 3 \$238,593

1990 4 2 1 0 \$102,000

1989 13 3 2 1 \$107,150

Turf 12 5 2 1 \$204,550

11Aug90-8AP 1% ①:48 1:3822:04 sf 21 114 12 12 11 22 12 MdridA Jr 1 Aclagntm 89-08 PlesntVriety,DoubleBookd,TnKys 7	
11Aug90-Grade II	
28Jly90-8Mth 1% ①:4741:1121:48 fm 4 119 11 11 13 12 12 MdridA Jr 1 Bttlefield 103-07 DoblBookd,GrtNormnd,FoxhillKn 12	
15Jly90-10Rkm1% ① 1:473fm 9 115 11 11 32 71 02 MdridA Jr 9 NhsSpskH 90-06 TenKeys,Achenar,PhntomBreeze 12	
15Jly90-Grade III	
30Jun90-9All 1% ①:4721:11 1:481fm 6 117 13 13 12 12 12 MdridA Jr 1 KHyolym 105-01 DoubleBooked,KHHigh,ImSmrten 9	
18Nov89-9Med 1% ①:473 1:121 1:493ft 28 111 11 11 32 53 12 MdridA Jr 6 PlersonH 80-24 MsterSpekr,Congeleur,MskAppl 6	
18Nov89-Dead heat	
22Oct89-8W0 1% ①:4922:0632:334sf 54 126 13 2nd 612 6203 MdridA Jr 1 RthmIn't 55-28 HodgesBy,StedyPower,ChrlieBrly 9	
22Oct89-Grade I	
15Sep89-9Med 1% ①:4831:39 2:173gd 8 126 11 12 11 33 12 MdridA Jr 2 NJClassic 73-21 BilloHorzont,WdlyKnown,DoblBkd 8	
15Sep89-Grade III	
4Sep89-10Med 1% ①:46 1:10 1:401fm 3 115 22 21 42 6103 Madrid A Jr 4 Manila 85-09 RivrofSin,GoodForSky,KngsRvrII 6	
13Aug89-9Mth 1% ①:4931:1331:504yl 34 108 11 11 12 1no MdridA Jr 4 LngflowH 93-18 DoubleBookd,YnkAffir,VlidFund 10	
13Aug89-Grade II	
9Aug89-9Mth a1% ①:49 1:1231:433fm 3 115 11 11 11 23 MadridA Jr 4 Aw27000 91-13 Tht'sGlem,DoublBookd,CopprCup 8	
Speed Index: Last Race: -3.0 3-Race Avg.: +1.0 9-Race Avg.: -0.5 Overall Avg.: -0.1	
Aug 25 AP 4 fl :15 B Jly 11 Mth 4 fl :15 B	

Steinlen*SANTOS J****126**

Own.—Wildenstein Stable

B. h. 7, by Habitat—Southern Seas, by Jim French

Br.—Allez France Stables (Eng)

Tr.—Lukas D Wayne

Lifetime 42 20 10 6 \$3,120,100

1990 7 3 2 1 \$720,104

1989 11 7 3 1 \$1,521,378

Turf 41 20 10 6 \$3,120,100

12Aug90-8Sar 1% ①:4641:1041:482gd*1-3 126 23 2nd 12 22 4 SntsJA5 B Baruch H 86-11 Who's to Pay,Steinlen,RiverofSin 5	
12Aug90-Grade II	
21Jly90-8All 1% ①:4841:1141:52 fm*8-5 L 124 11 13 11 13 1 SntsJA7 Cesar Int H 103-10 Steinlen, Capades, Alwuhush 8	
21Jly90-Grade II	
4Jly90-8Hol 1% ①:4641:1021:474fm*8-5 L 125 21 2nd 13 23 2 PncLJr5 Amrcn H 88-16 ClassicFme,Steinlen,PlesntVriety 7	
4Jly90-Grade II	
28May90-8Hol 1% ①:4831:3742:03 gd 3 124 25 21 21 1m+ PncLJr3 Hol Tf H 78-22 Steinlen, Hawkster, Santangelo 6	
28May90-Grade I	
13May90-8Hol 1% ①:4841:1211:47 fm 9-5 126 21 1st 2nd 32 4 SntsJA3 Jn Hnry H 91-09 GoldenPhesnt,ClassicFme,Steinlen 5	
13May90-Grade II; Lost whip	
8Apr90-8SA 1 ①:45 1:09 1:332fm *1 125 42 32 21 1st 4 SntsJA3 El Rncn H 96-05 Steinlen, Bruho, Wonder Dancer 6	
8Apr90-Grade II	
4Mar90-8SA 1 ①:45 1:09 1:342fm*6-5 126 48 57 54 74 2 SntsJA7 Arcadia H 86-18 Prized, Happy Toss, On The Menu 9	
4Mar90-Grade III	
4Nov89-7GP 1 ①:4721:1121:371gd 9-5 126 52 63 21 12 SntsJA2 Br Cp Mile 88-13 Steinlen, Sabona, MostWelcome 11	
4Nov89-Grade I; Rough trip-dryg	
21Oct89-8Kee 1% ①:4831:1321:524yl *1-3 126 53 51 1st 1st SntsJA4 Kee Brd Cp 80-20 Steinlen, Crystal Moment,Fosen 10	
21Oct89-Grade III	
35Sep89-8AP 1% ①:4911:3912:033fm 5 126 22 32 33 13 SntsJA4 A Million 76-25 Steinlen,LdyinSilver,YankeeAffir 13	
35Sep89-Grade I	
Speed Index: Last Race: -3.0 3-Race Avg.: +4.6 10-Race Avg.: +2.1 Overall Avg.: +2.1	
Aug 25 Bel 4 fl :47 B Aug 9 Sar 7 fl :52 B Jly 31 Sar 7 fl :52 B Jly 15 Hol 5 fl :53 B	

KINETIC GENERATOR

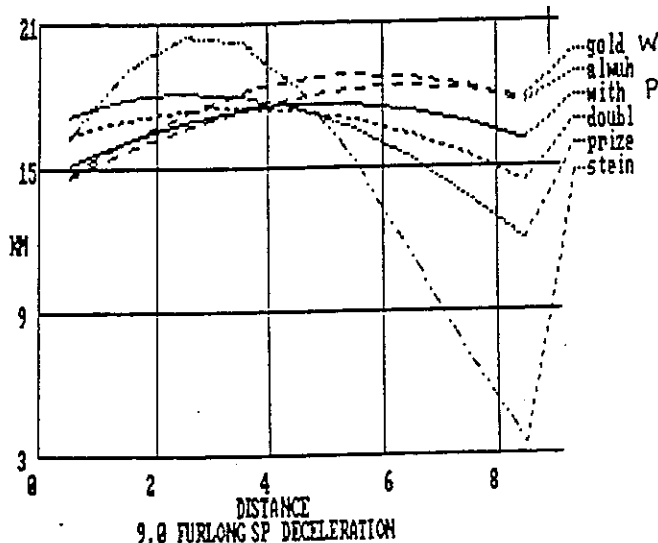
Race: ARLHIL Dist = 9.0 FURLONGS Comments: arlmil

Name	Total	Hidden	ENERGY FACTORS				ESP Type
			Fx	Med	Lex	3rd	
gold	167.39	68.07	66.05	66.43	33.57 ✓	34.40 ✓	Sustained
alvuh	163.23	68.05	65.84	66.24	33.16	34.26	Sustained
with	168.19	67.52	66.06	66.74	33.26	33.73	Sustained
prize	165.39	66.14	66.14	67.83	32.12	32.35	Sustained
doubl	165.26	66.58	66.16	67.39	32.61	32.80	Sustained
stein	155.25	63.78	63.87	70.23 ✓	29.77 ✓	26.84 ✓	Early

DISTANCE TODAY 9.0 FURLONGS

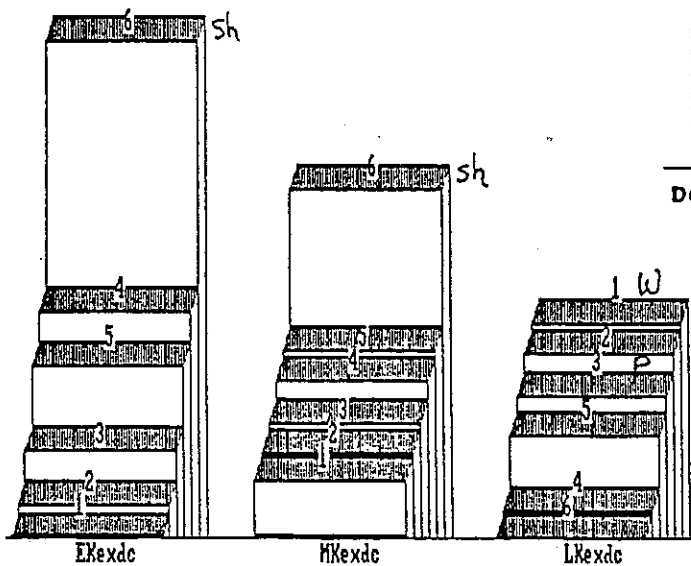
KINETIC POTENTIAL FOR 1/2 FURLONG

gold	14.37	14.36	15.52	16.04	17.91	18.66	18.53	18.44	18.25
alvuh	14.43	15.17	15.86	16.50	18.48	18.76	18.49	18.14	17.72
with	14.90	15.46	15.98	16.44	17.62	17.35	17.03	16.66	16.23
prize	16.94	17.41	17.79	18.06	17.34	14.54	13.72	12.85	11.94
doubl	16.28	16.68	17.01	17.28	17.37	16.04	15.56	15.04	14.46
stein	15.39	17.10	18.54	19.66	17.33	8.61	6.64	4.84	3.27
	Ekp			Mkp			Lkp		



Names Are Number Coded

- 1=gold
- 2=alvuh
- 3=with
- 4=prize
- 5=doubl
- 6=stein



Del Mar results of Arlington Million simulcast race.

1—GOLDEN PHEASANT.....14.00 7.40 4.40
 4—WITH APPROVAL6.40 3.60
 11—STEINLEN3.20
 1:59 3/5.

\$2 EXACTA (1-4) PAID \$103.20 ✓

ENERGY

Race: 090208 Dist = 9.0 FURLONGS Comments: arnil

Name	Total	RAW		Lex
		Median	Factor X	
alvuh	168.27	66.11	65.84	33.74
gold	167.39	65.88	66.04	34.20
with	166.18	66.42	66.05	33.98
prize	165.38	67.72	66.13	32.91
doubl	165.26	67.25	66.15	33.39
stein	155.25	72.34	63.87	31.33

Automatic ADJUSTED

Name	Matchup			Lex
	F 1	F 2	F 3	
Pace	34.36	34.26	34.07	
stein	34.38	34.28	26.22	
prize	33.94	33.54	31.97	
doubl	33.09	33.51	32.41	
with	32.28	33.73	33.36	
alvuh	32.02	34.23	33.96	
gold	31.88	33.90	34.07	

Varius Units of Energy

Name	Units of Energy		uXr
	Emuv	Bmuv	
alvuh	0.278	0.315	0.594
gold	0.299	0.299	0.598
with	0.295	0.532	0.827
doubl	0.188	0.747	0.936
prize	0.154	0.857	1.011
stein	0.000	2.632	2.632

PARAGON A	PARAGON B	ENERGIZER	VARIEGATE
gold	gold	alvuh	Presser

RANKINGS

	E P	P R	H E	S P	L X	F X	Muv
prize	1	5	5	4	5	4	0.00
doubl	2	4	4	5	4	5	1.04
alvuh	3	1	1	2	2	1	2.91
gold	4	2	2	1	1	2	3.34
with	5	3	3	3	3	3	3.15
stein	6	6	6	6	6	6	3.29

Paragon A

Paragon B

gold	_____	gold	_____
alvuh	_____	alvuh	_____
prize	_____	with	_____

ENERGY

Race: arnil Dist = 5.0 FURLONGS Comments: 1.25dist

Name	Total	RAW		Lex
		Median	Factor X	
alvu	168.27	66.11	65.84	33.13
gold	167.38	65.85	66.06	33.56
with	166.18	66.42	66.05	33.88
prize	165.38	67.72	66.13	32.02
doubl	165.26	67.26	66.15	32.30
stein	165.17	68.00	66.04	32.75

Manually ADJUSTED

Name	Matchup			Lex
	F 1	F 2	F 3	
Pace	34.03	34.15	34.13	
stein	34.03	33.94	32.02	
prize	33.84	33.84	32.29	
doubl	33.41	33.83	32.74	
with	32.49	33.03	33.57	
alvu	31.95	34.15	33.88	
gold	31.94	33.92	34.13	

Varius Units of Energy

Name	Units of Energy		uXr
	Emuv	Bmuv	
gold	0.241	0.241	0.481
alvu	0.226	0.320	0.556
with	0.205	0.396	0.602
doubl	0.080	0.550	0.630
stein	0.000	0.713	0.713
prize	0.048	0.668	0.716

PARAGON A	PARAGON B	ENERGIZER	VARIEGATE
prize	gold	stein	S/P Presser

RANKINGS

	E P	P R	H E	S P	L X	F X	Muv
stein	1	5	6	6	6	4	0.00
doubl	2	3	4	5	4	1	1.65
prized	2	4	5	4	5	2	0.70
with	3	2	3	3	3	3	4.41
gold	4	1	1	1	1	3	5.54
alvu	5	2	2	3	2	5	5.75

Paragon A

Paragon B

prize	_____	gold	_____
stein	_____	with	_____
doubl	_____	alvu	_____

EXDC MATCH-UP

Early Exdc

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      / / / / /
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stein prize doubl

Late Exdc

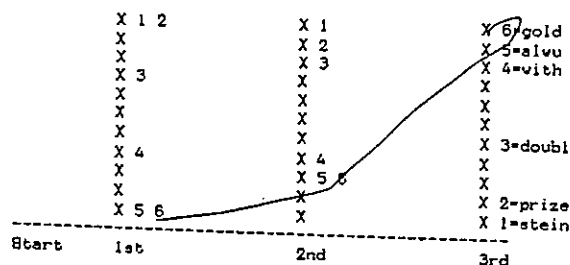
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```

gold alvu with

Paragon B Match Up Exdc

Name		1st	2nd	3rd	Exdc
stein	1	0.00	0.00	6.12	0.62
prize	2	0.54	0.83	5.39	0.68
doubl	3	1.81	1.40	4.08	0.73
with	4	4.51	3.58	1.66	0.97
alvu	5	6.10	4.12	0.73	1.09
gold	6	6.15	4.20	0.00	1.03



Cost: ENERGY! & Kinetic Generator:

As previously announced the cost of ENERGY! was raised, effective October 1. The New ENERGY! Program, named ENERGY! 6.75, will include the Kinetic Generator on the menu. It is available for IBM compatible ONLY. The total package is now \$675. It still requires personal screening and a written contract, but in includes a one year subscription to *The Follow Up* at no extra cost. We insist that ALL future programs will require a *Follow Up* subscription. It is the only way we know to keep YOU currently informed and on track, a requisite for WINNING!

From Nov. 1st through the end of the year, the Kinetic Generator alone, with *Follow Up* subscription or renewal, will cost \$249. After January, 1991, the final cost of the program will be based on client success. Current results indicate that this will put the cost in line with the price of other non-Sartin computer programs on the market. If you've noted their prices, you know they're high.

The Beginners Column

A Step-by-Step Walk Through The Sartin Methodology (Part II) Your Guide: Dick Schmidt

Last time we spent a great deal of time and effort on that quintessential skill: getting the race down to the viable contenders. This time we will look at the related skill of picking pacelines. I say related because a horse, no matter what its class or which contender guidelines it meets, that does not have a good paceline is not truly a contender using the Sartin Methodology. Maybe class handicappers or followers of trainer stats can use the horse, but we are pace handicapping in the Methodology, and must have a predictive paceline for each horse we want to consider a contender. Pace won't win all the races, but it works better by far than anything else ever devised.

Unlike contender selection, we have never developed mechanized paceline picking procedures in the same way we devised Class/APV or PBS. Part of this is that we have accepted Howard's dictum that picking pacelines is an art and that the only way to learn to pick pacelines is to pick a lot of pacelines. Eventually, he feels your subconscious will develop the pattern recognition skills needed if you practice faithfully. Amazingly enough, this seems to work for almost everyone.

I have pointed out at various seminars and gatherings that when several PIRCO Charter members handicap in close proximity, it is pacelines, much more than contenders, that cause contention. This is a reflection of the highly individualized process we each went through to gain our expertise at picking pacelines. Part of this stems from where we handicap most of the time. Michael Pizzolla sees mostly New York racing, and is used to constantly changing weather conditions and Sustained tracks. He has learned to put less emphasis on current form and more on overall ability. This is reflected by his relative willingness to ignore poor races in favor of older races he feels may be more predictive of the horse's ability.

I do most of my handicapping in sunny Southern California, a front runner's paradise where the track conditions are relatively stable and we see very few shippers. I pay much closer attention to recent form, and that is reflected in my pace line selection. 75 to 80% of the time, I use the last (most recent) paceline to rate the horse. Neither of us is right or wrong. Michael has trouble in California, and I get confused in New York.

Undoubtedly the best paceline selector in PIRCO is none other than Dr. Sartin himself. Both he and I attribute this to his long experience and to the fact that he sees races from all over the country, sent to him by clients requesting help. Because he sees so many different tracks and performance cycles, Dr. Sartin has tended to the "middle of the road" in his pacelines. He is not as influenced by the last line as I am, but he doesn't go back as far as Michael. He kept track recently, and found that though he rarely went back further than three lines on a horse, he selected among those three about equally.

So what's the answer for the client just starting out? Besides telling you to get to work on your first ten thousand pacelines, that is. The best I can do for you is try to point you in the right direction. After that, you will need to tailor your skills to the specific conditions of racing that you see. If you prefer to skip very cheap races, or never attend a major track, you will need quite different paceline skills than someone who plays under these conditions. I can tell you that for most experienced clients, pacelines have become easier as time goes by, and soon cease to be a problem. Identifying the true contenders is much more vital and difficult.

Here are some guidelines to get you started. Each should be proceeded by the phrase: "As much as possible . . ."

1) Stay within the current form cycle of a horse. In these days of year round racing, horses are constantly taking a little time off to heal up, then returning to the wars. Michael calls it "opening a window" on a horse. He works his way back on a horse, starting with the most current race. If there is an excuse for that race (such as weather, wrong distance or surface, trouble, etc.) he allows himself to open the window back another race. He keeps going back until he can find no excuse at all for a past performance line. He then tends to select the best line in his open window (the line he feels best reflects what the horse will do today) for his paceline.

In a way, I work in much the same way. I am just much less forgiving, and rarely see muddy or sloppy tracks. Still, I try not to be too rigid in my approach. Over the past two years or so, Michael and I have rather converged in our paceline approach. He no longer makes nearly so many "wild" calls, and I am much more willing to go back when I feel it necessary. I would like to think that as we each gain more experience, we are approaching Howard's level of expertise, but I doubt it. More likely, Michael and I have just spent a lot of time in each other's company at the races.

2 Make sure you use a "typical" line for the horse. If you have a horse that has never had the lead in any of its races except the last, don't expect it to run that way this time. Choose a different line. Chances are, the horse "inherited" the lead due to the Match-Up of the race, and is unlikely to find another field so devoid of Early horses. The same is true of a line where a horse that normally breaks sharply has trouble coming out of the gate. Even if he goes on to win the race, don't expect him to repeat that running style.

3 Beware the easy win. Especially the uncontested wire to wire race where the horse so discourages his competition early in the race that they give up and make no showing late. Try to find a race where the horse was extended. Time after time, I've seen clients gravitate to that big win, and are mystified and disappointed when the horse fails to run back to those numbers. Again, unless you feel the horse can get that same big, uncontested lead again today, the Match-Up of the race will most likely force a different running pattern on the horse.

4 A similar pattern to look out for is the horse with just one good race showing. A horse that regularly runs speed ratings between 72 and 78 that shows an 89 last time out. This horse is not likely to repeat. Horses do "wake up" and suddenly improve, especially young horses, but you'll be money ahead if you pick a line that reflects what they do 90% of the time. To

a lesser extent, the opposite is true also. The horse who regularly runs 90 speed ratings and ran an 81 last out may be hurt or sick, but he may just have had a bad day or trouble that didn't catch the chart caller's eye. Don't be too quick to forgive a really dreadful performance, however. A horse that constantly gives ground throughout the entire race is most likely going seriously bad.

5 Normally, if you take the time to examine the winners of most races, you'll find that they had several pacelines in their chart that would have put them on top of your readouts. Go back and look at a few; you'll see they have other good races showing, even if not in this form cycle. A lesson Tom Brohamer taught me years ago was to watch out for the horse that had only one race that would put him on top in the computer.

6 Above all, remember that you are not trying to pick the best line for the horse, the second best, or to follow any other neat rule. You are trying to pick the line that you feel will best predict how the horse will run today. Last year, for the first time I went back 10 lines on a horse. It was a logical progression, each previous line having a legitimate excuse. Damned if the horse didn't win and pay me \$23.00. Rules, or a tendency to always use a certain type of race, will sabotage your efforts over a period of time. Take the time to build your pattern recognition skills and pacelines can be conquered.

Three techniques that will cut your learning time considerably: the + and O ratings, PBS Numbers and reworking lost races. Dr. Sartin developed a tool to aid in pattern recognition especially. You rate each race in a horse's past performance chart in the following way:

+ Put a + by any paceline where the horse finished 1st, 2nd, 3rd or close-up (within 3 in a sprint, 4.5 or 5 in a route).

⊕ A race not good enough to earn a +, but not bad enough for an O either. Examples: a race where the horse was close to the pace at the second call, then faded, any race where the horse earned an 80 or better speed rating, a race where the horse almost qualifies for a +.

O Any race where the horse was soundly beaten. Any race not in the other two categories.

Once you go to the trouble to put these marks on your Form, take a second to step back and look at them. What you are looking for are patterns. The horse that shows + O + O + O + may not be a good bet today, when another O is due. Many horses will not show any pattern at all, but a surprising number will have one, if you look deeply.

Those of you who read the last *Follow Up* will remember Sal's comments about a horse called Mirabel Queen. I mentioned that Mirabel had an excellent record at today's class level. I noticed that by putting + and O's next to all her lines and looking for patterns. Another horse that was slightly deceptive was Furicano, from the *Day at the Races* manual (he was also in a Problem Race). He had the classic + O + O + O + pattern that singled a poor effort today, until you noticed that all his + races were in sprints, and all the O races in routes. That day was a sprint, and he paid \$18.00.

The message is that you have to look carefully and deeply for some of the patterns to emerge. It takes time and study. But if you aren't willing to look at races in a thoughtful manner, you are doomed from the start.

We already covered PBS numbers as a contender selector. Now let me share with you an idea that came to me as I was answering questions in front of the velocity group in Kansas City. An idea for using PBS to aid in paceline selection as well. But first, I need to give you a little background. Tom Hambleton, Dr. Sartin and I are writing a book covering the basics of pace handicapping for the general public. As a Methodology, we are using Phase I of the Sartin Methodology, which uses charts instead of computers. You can find the charts we based it all on in either the Match-Up manual or the inside front cover of the little blue manual you got with your beginners material.

One of the real strengths of Phase I is how quick it is. You can rate a paceline in 5 or 6 seconds. It is quite easy to do several lines on each horse; finding out what he runs when he wins, how much he falls off when he loses, is he declining or improving? You get the idea. Well, it suddenly occurred to me up in front of that class that you can do the same thing with PBS numbers! As Dick Mitchell is fond of saying: "The competent borrow, genius steals." I'm not claiming genius status, but I can steal a good idea with the best of them.

Adapting PBS numbers to this is easy. Like Phase I ratings, they are so quick and easy to do that doing one on several pacelines for each contender is no real hardship, and they reveal many of the same patterns that Phase I ratings do. Please remember, you start this multiple line use of PBS after you pick your contenders. Then do several races, both good and bad, on each horse and see what patterns emerge. The horse that showed me the light in Kansas City had never won other than a maiden, but had a better PBS number in each race it ran, and all four were better than any other horse in the field. I no longer have the Form, but he was beaten 6 or 7 lengths the last time out and believe me, it was not obvious (by eye) that the horse was even a contender. Thus are longshots born. The horse walked home at \$13.80.

Though it takes more time, PBS is especially valuable where you have a horse with several different tracks in its past performance chart. You may well be the only one at the track who can accurately compare the various races, distances and surfaces. And if you think that isn't important, the guppies await.

Now for the painful part of pacelines. Without exception, everyone hates this part. You need to spend a lot of time looking at the races you lose. In point of fact, while you are learning, losing races are far more valuable to your progress, if not your bankroll, than are winning races. If your model says that Early is winning everything is sight, and your number one Early horse romps home, you get to cash a ticket, but what do you learn? It's when that Early horse fails, and a Sustained horse catches him at the eighth pole and draws away that you have an opportunity to grow as a handicapper.

Back when I was starting out, we didn't have programs that saved to disk or had scratch routines (and I walked barefoot through three feet of snow to get to the track). Reworking a race meant you reWORKed it. Every paceline on every horse had to be re-entered every time. Since I firmly believe that you

should change only one line at a time, I put races through the computer 15 and 20 times. Count your blessings; you no longer have to go through all this busy work. You can easily change one line without re-entering all the other horses. Neat.

So here is what you have to do, painful as it may be. Start looking ever so carefully at the races you lose. Is the winner one of your contenders? If not, why not? Can you make any kind of case for the horse and still remain reasonable? If he is a contender, does a different paceline make him a winner? Can you logically work your way back to that paceline? Or maybe you were too forgiving. Did you go back on too many other horses, and make them look better than they actually were? Maybe the last line on every horse is the answer this time. The more you do it, the more you'll see.

Once you find a line that works, or a way to get that horse into the machine that doesn't leave you with 10 contenders in every other race, don't stop there. Take a minute and really look at that race. I guarantee that you'll see a very similar situation sometime in the future. When we talk of building pattern recognition skills, this is how it's done. Doing any part of the process in a hurried or mechanical way subverts the whole effort. If you don't have the time or patience, don't bother. You won't learn anything. Mary Sartin once pointed out to me that one characteristic the PIRCO Charter members all shared was that we were all more interested in learning than in playing a race. I know I will gladly miss a day's racing to master a new skill or hear about a new technique. I do it all the time at the Beaumont classroom sessions.

Why do I make such a big deal about something as obvious as reworking losing races? For the same reason I make a big deal out of keeping records; most clients won't do it. They want to put losing races "behind" them, to move on, to "focus on winning, not losing." These are the same people who come to seminars for years and never seem to make any progress. They still make the same mistakes over and over. To avoid pain, they wind up prolonging pain.

Your homework assignment for this session is to take your by now well thumbed 200 races and using the tools I've discussed, pick pacelines for them. To check the accuracy of your lines, run the race through Synergism, using the automatic adjustment. Your goal is to get the winner into the top two of any of the readouts. Keep working on each race until you succeed, or until you are truly satisfied in your heart that this is one of those races that pace handicappers weren't meant to win. Remember, change only one line on one horse each pass through the computer. Wholesale change leads to wholesale confusion.

Next time, we'll talk about a subject you'll probably hate, the Brohamer Model (more records!) and one you'll undoubtedly love, adjustments. All handicappers seem to love to make adjustments. That they do it so poorly is why Synergism was born. See you soon.

(Editor's Note: I apologize for getting the final two pages out of order in the last Beginners Column. I can't even shift blame to the writer, the editor or even the printer. Most annoying.)

This report states that he wagered a total of \$42. His return was \$95.20. His NET: \$53.20. If his per dollar profit were only 26% as stated in the article, his profit would have been: $.26 \times 42 = \$10.92$ profit. His actual profit, as stated, was \$53.20. He more than doubled his investment. That amounts to a profit of 126%! For each dollar wagered he was returned \$2.26, not \$1.26. One does not more than double one's investment and call his profit less than 100%. Perhaps when Sir James told us at the Las Vegas Seminar that \$25,000 per year was about as good a profit that we could expect, he really meant \$50,000, which is more like it.

In all seriousness, if Quinn's is the mainstream way of defining R.O.I. I certainly won't quibble. However, we'll continue to figure it in a way I can understand in *The Follow Up*.

With regard to his observation that only two top Variegate horse finished second, he is again confirming our 55% *Solution* assertions that the place horse is most frequently the counter Energy, or counter Variegate horse. I have put an X in the margin where one of the top 2 win Variegate horses won the race without James' money on it. Quinn is admittedly a one horse bettor. That's his prerogative. Personally, although I do not know what they paid, I would rather have had the 4 extra wins. $13 \text{ of } 21 = 65\%$ as opposed to his 45%. Perhaps flat betting, it made little difference. But playing a percentage of bankroll, where every win ups the wager, the profits on 65% wins becomes markedly higher. (Editor's Note: Jim was also adjusting (changing) the pace lines using the daily variant before he put them into ENERGY!. Howard has warned in the past that this will seriously throw off the Variegate. If you're going to use the Variegate, use the program the way it was written.)

Here is another outstanding 10 race K G E N report from one of our better Maryland clients investing at Pimlico and Saratoga:

KINETIC GENERATOR
Progress Report
TIME FRAME Report in 10 Race Cycles
From: 18 AUG 90 To: 19 AUG 90
NAME: GLEN E. CONNELLY
TRACK(S): PIMLICO + SARATOGA (RACE #10 INTERTRACK)

TOP THREE W-P-S-O

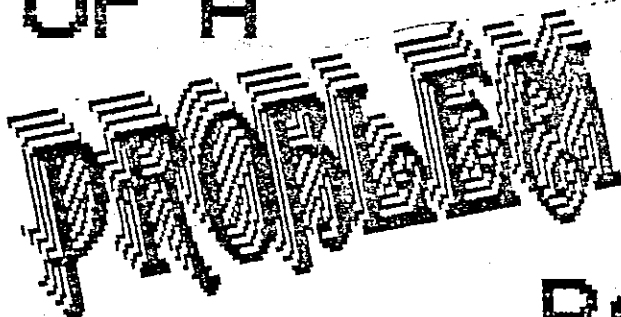
8/10 winners

(Indicate by position)

FIRST SCREENING (Raw) SECOND SCREENING (Auto Adj.) THIRD SCREENING (Man. Adj.)

	S/P	EXDC	S/P	EXDC	S/P	EXDC
1	FLASH - P	CLASSY - O	FLASH - (P)	CLASSY - O	KING - O	CLASSY - O
2	PRIDE - (W)	JESTER - S	CLASSY - O	KING - O	CLASSY - O	KING - O
3	CLASSY - O	PRIDE - (W)	KING - O	IRISH - O ?	FLASH - (P)	IRISH - O
4	CHEAP - O	CHEAP - O	CHEAP - O	CHEAP - O	CHEAP - O	CHEAP - O
5	STONE - O	STONE - O	STONE - O	STONE - O	STONE - O	STONE - O
6	FINDER - O	FINDER - O	FINDER - O	FINDER - O	FINDER - O	FINDER - O
7	MATT - (W)	MATT - (W)	MATT - (W)	MATT - (W)	MATT - (W)	MATT - (W)
8	GRAND - O	VET - O	GRAND - O	VET - O	GRAND - O	VET - O
9	VET - O	GUNPOWDER - O	VET - O	HOLIGAN - O	VET - O	HOLIGAN - O
10	PROUDER - O	PROUDER - O	PROUDER - O	PROUDER - O	PROUDER - O	PROUDER - O
11	HIGH - S	SKIPPER - (W)	HIGH - S	SKIPPER - (W)	JOYFUL - O	JOYFUL - O
12	SKIPPER - (W)	HIGH - S	JOYFUL - O	HIGH - S	JOYFUL - O	JOYFUL - O
13	PICNIC - P	PICNIC - P	PICNIC - (P)	PICNIC - (P)	PICNIC - (P)	AGALISTA - (W)
14	RED - S	AGALISTA - (W)	RED - S	AGALISTA - (W)	RED - S	PICNIC - (P)
15	TICKER - O	RED - S	TICKER - O	RED - S	TICKER - O	RED - S
16	COUNT - S	COUNT - S	COUNT - S	COUNT - S	COUNT - S	DIANG - P
17	DON - O	DIANG - P	DON - O	DIANG - P	DON - O	COUNT - S
18	DIANG - P	HANDONG - (W)	DON - O	DIANG - P	DON - O	DON - O
19	JOY - O	KARHANI - (W)	JOY - O	KARHANI - (W)	JOY - O	JOY - O
20	KARHANI - (W)	JOY - O	KARHANI - (W)	JOY - O	KARHANI - (W)	KARHANI - (W)
21	KITCH - (P)	ROYAL - S	KITCH - (P)	ROYAL - S	KITCH - (P)	ROYAL - S
22	HUM - (W)	LET - S	HUM - (W)	LET - S	HUM - (W)	BLUDE - O
23	BEACH - O	BEACH - O	BEACH - O	BEACH - O	DO TELL - O	LET - S
24	DO TELL - O	DO TELL - O	DO TELL - O	DO TELL - O	BEACH - O	BEACH - O
25	CENTER - O	FAIR - O	CENTER - O	FAIR - O	CENTER - O	FAIR - O
26	LASS - O	LOLITA - S	BOU - O	LOLITA - S	BOU - O	LOLITA - S
27	BOU - O	SPEEDY - P	LASS - O	SPEEDY - P	LASS - O	BOU - O
28	WARFIE - O	PERSONAL - (W)	WARFIE - O	OATH - O	WARFIE - O	OATH - O
29	PERSONAL - (W)	OATH - O	PERSONAL - (W)	PERSONAL - (W)	OATH - O	PERSONAL - (W)
30	OATH - O	SUZIE - O	OATH - O	WARFIE - O	PERSONAL - (W)	COLONIAL - O

ANALYSIS OF A



RACE

by Tom Hambleton

Tom Hambleton, PIRCO Teaching Member from Los Angeles, popularizer of the Final Fraction Energy Ratings and principle author of the upcoming book *Pace Makes the Race, an Introduction to the Sartin Methodology* recently made his first trip to Saratoga with us to help teach at the Saratoga seminar. Along with his contributions at the seminar, he helped lead the warparty to Saratoga on Monday, closing day at the track. His extraordinary success on the "worst" day of the "toughest" meeting demonstrates both his polished skills as a handicapper and his mastery of the Methodology.

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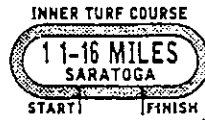
Saratoga: my dream. I was so excited to be invited to participate in the Saratoga seminar I could hardly stand it. I had literally looked forward to going to Saratoga for four years and finally I was going. When I boarded the plane for Albany, New York I was a little nervous. I had never handicapped a race at Saratoga. What if the magic I used in Southern California doesn't work in New York? I decided to trust my instincts that the Methodology works everywhere and I came up with a horse that no one else could see. How I came up with that horse is the subject of this article.

After the seminar was over, I examined the races we were to handicap the next day on our group trip to the track. Jim Bradshaw and I were to pick contenders and make any pertinent comments about the card at 9:00 A.M. the next morning for the clients. We weren't going to tout any horses, but we felt that if we could help with selecting the true contenders, the programs would pick the winners. I am sure of that! As I looked over the card for the next days races I was truly disappointed. The racing was different than what I was accustomed to, and I was not too happy about four maiden races and another for 2 year old fillies. Of the remaining four races, we had one stand-out, one race that had many unanswered questions, and two turf races that I felt were certainly beatable. One of those turf races is the fourth race, for non-winners of three.

When I addressed the clients in the morning, I said that the winner of this race needed to be able to be close to the pace at the second call and finish the race well. It had been raining in New York for the past few days and I felt the turf course was still somewhat soft. I also stated that a deep closer might be at a disadvantage because the footing might not be completely dry and the traction might not be good. The type of horse we wanted was a sustained presser who had a big last fraction, the biggest in the race if possible. Take a look at the race and then we'll discuss it in depth.



SARATOGA



1 1/4 MILES. (InnerTurf). (1.41) ALLOWANCE. Purse \$33,000. Fillies and Mares. 3-year-olds and upward which have never won three races other than maiden, claiming or starter. Weights, 3-year-olds, 117 lbs. Older, 122 lbs. Non-winners of two races other than maiden or claiming at a mile or over since July 15, allowed 3 lbs. Of such a race since then, 5 lbs.

Harvard's Best

Own.—Bourbon Hills Farm

1Aug90-2S ar fm 1 1/4	47% 1:11% 1:48%	3+ @Alw 31000
6Jly90-9Bel fst 7f	22% 46 1:25%	3+ @Alw 27000
17Jun90-6Bel fst 7f	22% 46% 1:12%	3+ @Alw 27000
19May90-4Bel fst 1 1/4	47% 1:12% 1:45%	@Alw 32000
6May90-1A qu gd 1	47% 1:12% 1:38%	3+ @Mid Sp Wt
18Apr90-6GS fst 1 1/4	48% 1:15% 1:50	@Mid Sp Wt
7Mar90-6A qu fst 1 1/4	49% 1:16% 1:56%	@Mid Sp Wt
16Feb90-6A qu fst 1 1/4	49% 1:15% 1:47%	@Mid Sp Wt

Speed Index: Last Race: +4.0

LATEST WORKOUTS Aug 20 Sar tr.t 4f fst :51 B

Ch. f. 3(Apr), by Mamaison—Nickname, by Tumiga

Br.—Bricken & Kartz (NY)

Tr.—Campo John P

8 3 23 23 1st 1st	Cruguet J	112 13.90
3 9 99 76 55 1st	Cruguet J	b 111 16.90
3 10 88 912 611 59%	Santagata N	b 112 10.20
4 3 32 45 48 51%	Antley C W	b 121 12.50
6 1 2 1 1 1 1 12	Santagata N	b 115 17.80
5 8 76 74 58 61%	Vigliotti M J	b 122 14.60
10 12 12 13 111 923 92%	Madrid A Jr	b 121 16.60
11 11 10 12 91 716 82%	Ferrer J C	121 37.00

1-Race Avg.: +4.0

●Aug 13 Sar ① 6f gd 1:15 H (d)

1-Race Avg.: +4.0

Jly 28 Sar tr.t 4f fst :52% B

Lifetime 1990 8 3 0 0 \$52,200

8 3 0 0 1989 0 M 0 0

\$52,200 Turf 1 1 0 0 \$18,600

112

100-04 Harvrd's Best 112nd LdyD'Accord 112% SMrche 117%	Drifted out 10
75-14 Hrrds Bst 111% PrdNApp 115% Sphtctd 111%	Dwelt sl bckd 9
69-22 Shell Pink 113% Carr Shaker 114% Romp 109%	Broke slowly 10
63-24 WonScent 116% Mesppino 116% NorthernCrcker 116%	Fin. early 6
70-24 Harvrd's Best 115% Blessings 115% Caribia 115%	Driving 7
46-38 WinthropArms 122% Czs's Celebrity 122% Finding 122%	Very wide 10
33-32 LongIslandSound 121% MyHighness 121% Caribbi 121%	Poor start 12
52-24 TopTrit 121% LongIslandSound 121% Ntutes Best 121%	Hesitated st 11

Overall Avg.: -13.7

Jly 19 Bel ① 4f fm :50% B (d)

Crown Silver

Own.—Kewick Stables

9Aug90-6S ar fst 7f	22% 45% 1:23%	3+ @Alw 41000
11Mar90-6GP fst 6f	22 45% 1:10%	3+ @Alw 21000
22Feb90-6GP fst 7f	22 44% 1:24%	@Alw 23000
23Jan90-9GP fm 1 1/4	41%	@Alw 32000
16Dec89-5A qu fst 7f	47% 1:14% 1:46	3+ @Alw 36000
6Dec89-7A qu fst 1 1/4	48% 1:13% 1:47%	3+ @Alw 36000
18Nov89-6A qu fst 6f	21% 44% 1:10%	3+ @Alw 37000
3Jun89-8WO fst 1 1/4	45% 1:11% 1:46	@Selene

3Jun89-Grade I-C

19May89-5Bel fst 1 1/4	46% 1:10% 1:42%	3+ @Alw 33000
7May89-3A qu fst 6f	22% 46% 1:12%	3+ @Alw 30000

Speed Index: Last Race: -30.0

LATEST WORKOUTS ●Aug 25 Sar 3f sly :34 H

Ro. f. 4, by Spectacular Bid—Gold Treasure, by Northern Dancer

Br.—Kewick Stables (Va)

Tr.—Hirsch William J Jr

3 3 21 45 618 62%	Antley C W	115 11.20
8 1 85 53% 610 41%	McCawley W H	117 2.00
2 5 2nd 21 24 4%	McCawley W H	117 1.50
2 2 31 1020 1025 102%	Bailey J D	115 3.80
6 2 2 31 21 21 2%	Bailey J D	115 *1.00
6 2 1 1 1 1 2%	Bailey J D	115 2.00
3 6 42 44 45 4%	Santos J A	115 *1.70
4 2 2nd 1 1 2nd 2%	Hawley S	114 *95

1-Race Avg.: -30.0

●Aug 17 Sar 6f fst 1:12% H

1-Race Avg.: -30.0

●Aug 4 Sar 5f fst :59% H

Lifetime 1990 4 0 0 0 \$2,480

14 3 5 0 1989 7 0 5 0 \$51,130

\$107,045 Turf 1 0 0 0 \$280

117

66-12 Gottgetitdon 115% Lytton 115% ColoniWtrs 115%	Stopped badly 6
79-16 Illeria 112% Evaluating 119% Majesty's Missy 122%	Bore out 8
78-18 Love's Exchange 122% Runwy Irish 119% OxyBbel 119%	Weakened 6
46-24 TiaJuanita 115% J. Brenner 119% Host of Angels 112%	Gave way 10
72-30 Awnk And A Nod 117% Crwn Slvr 115% Sdy Stt 110%	Best of others 8
73-34 Gottgetitdone 117% Crwn Silver 115% D'or Etoile 117%	Gamely 6
84-15 Tomorrow's Child 117% MyCarvnn 117% Alom's Ldy 108%	Outrun 6
79-17 Victorious Trick 120% Crwn Silver 114% TopWish 114%	Gamely 9

Overall Avg.: -4.7

Jly 28 Bel 5f fst :59% H

Mrs. K.

Own.—Brunson R

6Aug90-7S ar sly 1 1/4	46% 1:12% 1:57	3+ @Alw 33000
30Jun90-6CD fm 1 1/4	47% 1:12% 1:44%	@Alw 31350
26May90-9CD fm 1 1/4	48 1:13% 1:44%	@Regret
12May90-10CD sly 1 1/4	50 1:15% 1:45%	@Dogwood
19Apr90-8Kee fm 1 1/4	49% 1:13% 1:51%	@Palisades
10Apr90-6Kee gd 1 1/4	47%	@Alw 24600
17Mar90-12GP fst 1 1/4	48% 1:13% 1:45%	@Alw 20000
22Feb90-9GP fst 1 1/4	47% 1:12% 1:46%	@Alw 20000
10Feb90-6GP fst 1 1/4	47% 1:13% 1:49%	@Alw 20000
25Jan90-7GP fst 6f	22% 46 1:12%	@Alw 21000

Speed Index: Last Race: 0.0

LATEST WORKOUTS Aug 20 Sar tr.t 3f fst :37% H

B. f. 3(Apr), by Dixieland Band—Flavia Miss, by His Majesty

Br.—Falcon Farms Ltd (Ky)

Tr.—Howard Neil J

1 5 55 53 3 21%	Perret C	112 *2.00
1 6 55 63 3 21%	Woods C R Jr	118 *1.70
2 5 57 54 4 42%	Woods C R Jr	117 9.80
1 2 21 21 23 24%	Woods C R Jr	116 2.40
1 2 32 51 42 53%	Bailey J D	114 6.00
6 4 41 3nk 11 12	Perret C	115 *1.30
7 8 77 53 22 11	McCawley W H	118 *1.50
2 9 68 55 45 21	McCawley W H	116 2.10
8 11 118 91 55 21	McCawley W H	118 *1.10
8 2 64 54 33 21%	Vasquez J	121 3.30

3-Race Avg.: -2.3

Aug 15 Sar tr.t 4f fst :50 H

4-Race Avg.: -1.7

Aug 2 Sar tr.t 5f fst 1:04 B

Lifetime 1990 10 2 6 0 \$65,625

12 3 7 0 1989 2 1 1 0 \$15,513

\$81,138 Turf 4 1 1 0 \$25,015

112

95-18 Perfect Coin 117% Mrs. K. 112% LeFamo 117%	Wide, gamely 5
91-08 Silvered 118% Mrs. K. 118% All Flash No Cash 112%	Rallied 7
89-09 Secret Advice 119% SuperFn 122% Screen Prospect 119%	No rally 6
77-21 Patches 118% Mrs. K. 118% Mirth 114%	Flattened out 4
82-13 SuprFn 119% Sothrn Trdton 119% Scroto's Glory 114%	Nothing left. 9
82-18 Mrs. K. 115% Secret's Glory 121% Ioya 113%	10
78-22 Mrs. K. 118% Sunny Terror 116% Crafty Tenderon 116%	Driving 11
77-24 Sugar Suite 116% Mrs. K. 118% Worthroatsingold 121%	Rallied 12
63-37 Highest Truth 118% Mrs. K. 118% Silver Cut 116%	Fin. well 12
81-18 Whose Problem 116% Mrs. K. 121% Kitts Lady 115%	Second best 10

Overall Avg.: +0.4

Jly 28 Sar tr.t 4f fst :50% B

Sahera

Own.—Regency Stable

15Aug90-2S ar gd 1 1/4	49% 1:13% 1:50%	3+ @Alw 33000
28Jun90-8Bel fm 1 1/4	47% 1:35% 1:59%	3+ @Alw 33000
18Jun90-7Bel fm 1 1/4	48% 1:12% 1:42%	3+ @Alw 33000
19Jan90-7A qu fst 1 1/4	48% 1:14% 1:45%	@Alw 35000
28Nov89-5S(Cloud)(Fral) y1 1 1/4	2:51	@Prix Denisy
29Oct89-6Longchamp(Fral) gd 1 1/4	2:05%	@Prix d'Automne
6Oct89-4M Laffitte(Fral) gd 1 1/4	2:05%	@Prix Niceas
13Jun89-5Chantilly(Fral) gd 1 1/4	2:15	@Prix de Turenne
14May89-6Longchamp(Fral) gd 1 1/4	2:06	@Prix de la Peniniere
2Apr89-4Agen(Fral) gd 1 1/4	:00	@Grand Prix d'Agén

2Apr89-No time taken

Speed Index: Last Race: -12.0

LATEST WORKOUTS Aug 3 Sar ① 4f fm :49% H

B. m. 5, by Al Nasr—Princesse Ruby, by Busted

Br.—Orient Elysees (Ky)

Tr.—Johnstone Bruce

7 10 107 109 1012 916%	McCawley W H	117 63.40
8 1 21 715 722 72%	Cruguet J	117 9.20
6 9 74 76 77 78	Cruguet J	117 18.50
2 7 74 77 711 612%	Chavez J F	117 10.70
32	Legrix E	124 3.25
11	Legrix E	119 *1.10
21	Legrix E	122 6.75
45	Legrix E	120 20.00
41	Legrix E	123 11.00
522	Legrix E	127 —

3-Race Avg.: -15.3

Jly 26 Bel ① 5f gd 1:01 H (d)

3-Race Avg.: -15.3

Jly 19 Bel ① 5f fm 1:01 H (d)

Lifetime 1990 4 0 0 0 \$34,277

18 3 2 1 1989 6 1 1 1 \$67,845

\$67,845 Turf 17 3 2 1 \$67,845

117

74-14 LadyInSilver 117% PlentyOfGrce 112% RoseDiamond 117%	Outrun 11
74-03 Rigamajig 117% Noble Links 117% LeFamo 117%	Tired badly 8
86-03 Barb's Slew 119% RoseDiamond 117% Rigamajig 117%	Blckd, rplyd 10
65-36 Foresta 117% Windy Surf 110% Bounty Search 117%	Outrun 7
— Cadouline 117% ArkAngel 117% Sahera 124%	Prom, led 12
— Sahera 119% Rose de Thai 120% DoonPoint 120%	Led thruout 5
— Lesotho 130% Sahera 122% Boquen 130%	Led to fnl fur 6
— Mansonnien 123% Quota 120% Kaid Pous 120%	Led to fnl fur 6
— Liason 119% Silver Lane 126% Animatrice 130%	Led 9f 4
— Boquen 130% Wallajef 126% El Violento 120%	Prom early 11

Overall Avg.: -11.2

Jly 12 Bel ① 5f st 1:03% B (d)

Rose Diamond

Own.—Rokeby Stables

15Aug90-2Sar gd 1 1/4	49% 1:13% 1:50%	3+ @Alw 33000
20Jly90-2Bel fm 1 1/4	46% 1:10 1:40%	3+ @Alw 33000
28Jun90-8Bel fm 1 1/4	47% 1:35% 1:59%	3+ @Alw 33000
10Jun90-7Bel fm 1 1/4	48% 1:12% 1:42%	3+ @Alw 33000
25May90-6Bel fm 1 1/4	44% 1:09% 1:33%	3+ @Alw 36000
19Nov89-6A qu fst 1	46% 1:11% 1:37	@Mms Cmdnd
1Nov89-8A qu fst 1	46% 1:11% 1:36%	3+ @Alw 36000
9Aug89-8Sar fm 1 1/4	46% 1:10% 1:41	@Nijana
9Aug89-Grade III		

9Aug89-Grade III

3Jly89-8Bel fst 1 1/2	48% 2:04% 2:32%	@C C A Oaks
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3Jly89-Grade I

21Jun89-6Bel go 1 1/4	47% 1:36% 2:03	3+ @Alw 31000
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Speed Index: Last Race: +3.0

LATEST WORKOUTS Aug 22 Sar tr.t 4f fst :50% B

B. f. 4, by Diamond Shoal—Summer Guest, by Native Charger

Br.—Mellon Paul (Va)

Tr.—Miller Mack

1 2 31 42 31 32	Bailey J D	b 117 3.40
8 3 2 31 32 44%	Bailey J D	117 *2.00
7 2 1 1 1 1 1 2	Bailey J D	117 *1.10
10 1 11 1 1 1 2	Bailey J D	117 2.20
2 5 45 42 46 47%	Bailey J D	119 6.30
3 4 3nk 52 512 514%	McCawley W H	114 3.50
5 2 21 2 44 53	Bailey J D	115 *1.10
8 4 44 77 710 61%	Bailey J D	114 3.40

3-Race Avg.: +2.0

Aug 13 Sar tr.t 3f fst :36% H

7-Race Avg.: -2.2

Aug 8 Sar 5f sly 1:00 H

Lifetime 1990 5 0 1 1 \$17,340

16 3 3 3 1989 9 3 1 1 \$33,120

\$118,620 Turf 8 1 2 1 \$43,200

117

89-14 LadyInSilver 117% PlentyOfGrce 112% RosDiamond 117%	Bid, hung 11
97-03 Songlines 117% Highland Tide 117% LeFamo 117%	Svd grnd wknd 9
100-03 Rigamajig 117% Noble Links 117% LeFamo 117%	Svd grnd wknd 8
94-03 Barb's Slew 119% RoseDiamond 117% Rigamajig 117%	Gamely 10
92-03 ShineUp 119% Sothrn Trdton 119% Kyflyr 119%	Saved ground 12
70-30 Nskr's Return 114% Psnl Bsnss 114% Ncs Strp 114%	Broke in air 6
83-25 YenForGold 115% Shes Splsher 117% Bounty Srch 117%	Gave way 6
79-10 Capades 121% To The Lighthouse 116% Vanities 114%	Gave way 8

Overall Avg.: -4.9

●Aug 2 Sar tr.t 5f fst 1:02% H

Jon's Singer

Own.—Belvedere Stables

Gr. f. 3 (Apr), by Caro—Hellas II, by Dart Board		Br.—Whitney Thomas P (Ky)		Tr.—Hertler John O	
6Aug90-7Sar sly 1½	46½ 1:12½ 1:57	3+ @Alw 33000	3 4 41½ 43½ 512 533	Cordero A Jr	114 2.60
22Jul90-78el my ¾	51½ 1:40½ 2:19½	3+ @Alw 31060	4 1 11 12 17 18	Antley C W	113 2.00
6Jul90-48el fm 1¼	48½ 1:36½ 2:01	3+ @Alw 31000	2 4 32½ 31½ 52½ 42½	Goossens L	111 6.00
17Jun90-58el fm 1¼	47½ 1:36½ 2:00½	3+ @Alw 31000	8 9 98½ 42 2nd 23½	Goossens L	111 63.10
11Jun90-78el fm 1	44½ 1:09½ 1:34	3+ @Alw 31000	6 9 86½ 67 91½ 71½	Goossens L	111 56.40
26May90-78el fst 7f	22 45 1:23½	3+ @Alw 28000	6 6 79 64 61½ 61½	Goossens L	111 22.40
27Feb90-9Lri fst 6f	23 47 1:11½	@Alw 19000	4 2 33½ 53 56 610	Prado E S	117 4.50
4Feb90-10Lri my 1½	47 1:12½ 1:45½	@Gay Matelda	8 5 56½ 58½ 510 417	Miller D A Jr	119 4.00
27Jan90-8Pha gd 170	46 1:11 1:43½	@Bryn Mawr	5 4 38 49 45 2nd	Miller D A Jr	115 *9.0
5Jan90-8Lri fst 7f	23½ 47½ 1:25½	@Alw 17000	6 5 64½ 52½ 31½ 14½	Desormeaux K J	112 *1.30

Speed Index: Last Race: -3.0
LATEST WORKOUTS Aug 23 Sar ① 5f fm 1:00 H (d)

3-Race Avg.: -7.0

3-Race Avg.: -7.0

Overall Avg.: -5.2

Key Flyer

Own.—Icahn C

B. f. 4, by Nijinsky II—Key Partner, by Key to the Mint		Br.—Icahn C C (Ky)		Tr.—Jolley Leroy	
13Aug90-8Sar gd 1¼	48 1:11½ 1:48½	3+ @Diana H	10 3 23 2½ 54½ 54½	Cruguet J	108 9.20e
13Aug90-Grade II					
13Jul90-88el sly 1¼	49½ 1:38½ 2:19½	3+ @Shpsd 8y H	4 2 2½ 2½ 3½ 23½	Cruguet J	108 4.10
13Jul90-Grade III					
16Jun90-88el fm 1¼	47½ 1:34½ 1:58½	3+ @New York H	7 6 76 76½ 67 36	Cruguet J	109 27.40
16Jun90-Grade II					
25May90-68el fm 1	44½ 1:09½ 1:33½	3+ @Alw 36000	1 10 118 86 35½ 34½	Cruguet J	119 10.60
5Nov89-9GP gd 1¼	48½ 2:05½ 2:29½	3+ @Prncs Rny H	3 3 31 1hd 32 62½	Velasquez J	109 73.30
9Oct89-88el fm 1¼	46½ 1:36 2:13½	3+ @Athenia H	1 4 75½ 76½ 410 38½	Cruguet J	110 8.90e
9Oct89-Grade III					
16Sep89-78el yf 1¼	50½ 1:41 2:06½	3+ @Flwr Bwl H	1 9 98 77½ 67½ 69½	Santos J A	109 27.00
16Sep89-Grade I					
2Sep89-8AP yf 1½	51½ 1:17½ 2:01½	3+ @Beverly D	3 3 32 42 55½ 54½	Cruguet J	117 73.40
14Aug89-8Sar gd 1¼	48½ 1:13 1:50½	3+ @Diana H	1 3 36 32½ 33 52½	Samyn J L	110 26.90
14Aug89-Grade II					
12Jul89-78el gd 1¼	49 1:39½ 2:04½	3+ @Alw 31000	1 3 33½ 41½ 22 11½	Cruguet J	111 *1.40

Speed Index: Last Race: -7.0
LATEST WORKOUTS Aug 23 Sar ① 5f fst 1:01½ H

3-Race Avg.: -1.3

3-Race Avg.: -1.3

3-Race Avg.: -1.3

Overall Avg.: -2.1

Regal Victress

Own.—Krakower L J

Ch. f. 3, by Diamond Prospect—Baraquoil, by Barachois		Br.—Widen Stud Party Ltd (Ont-C)		Tr.—Taylor Ronald J	
11Aug90-4Sar my 7f	22½ 45 1:22½	3+ @Alw 31000	2 3 33 21½ 36½ 39	McCauley W H	113 23.90
14Jul90-8WO fm 6½	22½ 46½ 1:15½	@Ont Damsel	5 7 63½ 54 81½ 810½	McAleney J S	114 31.35
14Jul90-Grade III-C; Run in Divisions					
30Jun90-10Ati fm 5½	22½ 45½ 1:03½	3+ Alw \$500	8 9 97½ 910 910 812½	Alligood M A	b 110 11.60
7Oct89-3PnoenixPk(Ire) gd 7f	1:20	@Park Stakes(Gr3)	1015	Roche C	b 122 33.00
2Sep89-3PnoenixPk(Ire) gd 7f	1:20½	@SilverFlashStks	118½	Carroll R	b 122 20.00
7Aug89-2LeopardstN(Ire) gd 6f	1:12½	@Newtownpark Nursery Hcp	14	Smith D V	b 117 4.00
12Jul89-4Dundalk(Ire) fm 7½f	1:37½	@Ardee Plate(Mdn)	1no	Kinane M J	b 126 4.50
4Jul89-3Biewstown(Ire) gd 5f	1:01	@Kilsharven Plate(Mdn)	65	Kinane M J	b 126 3.50
5Jun89-4Tralee(Ire) gd 5f	1:03½	@Ardfert Plate(Mdn)	43	Carroll R	b 123 2.00
1Jun89-1Naas(Ire) fm 6f	1:11½	@Maudlins Plate(Mdn)	21	Kinane M J	b 123 4.00

Speed Index: Last Race: (-)
LATEST WORKOUTS Aug 25 Sar 3f sly :35½ H

3-Race Avg.: (-)

3-Race Avg.: (-)

3-Race Avg.: (-)

Overall Avg.: -11.6

Senora Tippy

Own.—Knight LE

Ch. f. 4, by El Gran Senor—Active Voice, by Pretense		Br.—Knight Landon (Ohio)		Tr.—Wright William W	
15Aug90-2Sar gd 1¼	49½ 1:13½ 1:50½	3+ @Alw 33000	8 4 62½ 53½ 52½ 43½	Cruguet J	117 21.60
30Jul90-48el fm 1¼	49 1:12½ 1:41½	3+ @Handicap	4 6 56 59½ 41½ 412	Santos J A	110 10.20
30Jun90-48el fm 1¼	47½ 1:11 1:42	3+ @Alw 31000	3 9 86½ 65 31 1hd	Santos J A	117 *1.50e
14Jun90-7Mth fm 1¼	48½ 1:12½ 1:43½	3+ @Alw 17000	8 7 61½ 31½ 31½ 21½	Santagata N	117 *1.80
25May90-68el fm 1	44½ 1:09½ 1:33½	3+ @Alw 36000	5 8 714 64½ 67½ 81½	McCauley W H	119 23.50
27Apr90-6Kee fm 1	48 1:12½ 1:36½	@Alw 24600	1 4 31½ 1hd 2nd 2nd	Melancon L	112 *7.0
11Apr90-9Kee fm 1¼	47½ 1:47½	@Alw 25800	6 4 47 31 42 66	Melancon L	121 10.90
28Oct89-8Kee fm 1¼	49½ 1:13 1:43½	@Qn Ez C Cp	6 7 82½ 62½ 75½ 89½	Allen K K	121 38.80
28Oct89-Grade II					
2Sep89-48ordeaux(Fra) gd 1¼	:00	@Prix de la Teste	12	Head F	00 ---
2Sep89-No time taken					
11Jun89-6Chantilly(Fra) gd 1¼	2:05½	@PrixBelAmi d'HermesHcp	11	Piccioni C	b 122 21.00

Speed Index: Last Race: +1.0
LATEST WORKOUTS Aug 24 Sar ① 5f gd 1:03½ B

3-Race Avg.: -0.3

3-Race Avg.: -0.3

3-Race Avg.: -0.3

Overall Avg.: -2.0

Mikaya

Own.—Esterhazy Marianne

B. m. 5, by Miswaki—Heeria, by Habitat		Br.—Esterhazy Marianne (Ky)		Tr.—Skiffington Thomas J	
15Aug90-2Sar gd 1¼	49½ 1:13½ 1:50½	3+ @Alw 33000	6 11 117½ 99 65½ 57½	Antley C W	117 9.10
14Apr90-9Kee yf 1¼	47½ 1:13½ 1:45½	@Alw 28000	1 4 61½ 105½ 91½ 920½	Perret C	114 1.90
28Mar90-8GP nd 1¼	47½ 1:44½	@Alw 21000	2 6 54½ 54 3nk 12½	Penna D	117 *2.50
27Oct89-6Agu gd 1¼	48½ 1:13½ 1:45½	3+ @Alw 34000	4 7 97 94½ 62½ 31½	Bailey J D	117 *1.50
11Oct89-88el fm 1¼	47½ 1:12 1:43½	3+ @Alw 32000	3 6 64½ 53 31 14½	Bailey J D	117 *8.0
11Sep89-48el fm 1¼	47½ 1:37 2:13½	3+ @Alw 29000	9 5 55 52½ 31 33½	Perret C	122 *8.0
20Aug90-55ar fm 1¼	47½ 1:11½ 1:43	3+ @Md Sp Wt	3 6 67½ 43½ 3nk 14	Day P	122 1.90
5Aug90-45ar sf 1¼	49½ 1:15 1:47½	3+ @Md Sp Wt	2 10 109½ 89½ 73½ 43½	Day P	122 7.20

Speed Index: Last Race: -3.0
LATEST WORKOUTS Aug 8 Sar ① 4f sf :50 H (d)

3-Race Avg.: -6.0

3-Race Avg.: -6.0

3-Race Avg.: -6.0

Overall Avg.: -4.5

Lifetime		1990		10		2		0		\$46,597	
16	3	4	1	1989	6	1	2	1	0	\$24,716	
\$71,313				Turf	3	0	1	0		\$8,680	

114	2.60	63-18 Perfect Coin 117½ Mrs. K. 112½ Le Famo 117½ Stopped 5
113	2.00	89-17 Jon's Singer 113½ Crestalita 117½ Secret Circle 110½ Ridden out 4
111	6.00	93-04 Same 117½ Igmar 122½ Won Scent 112½ Checked sharply 7
111	63.10	96 — DstnyDnc 117½ Jon's Singer 111½ QunOfSvns 117½ Wide, good try 11
111	56.40	81-05 Srolucy 111½ PlentyOfGrace 109½ QunOfSvns 117½ Steadied start 12
111	22.40	70-18 TokenDance 112½ HerSheShwklit 113½ Aspirations 113½ Outrun 7
117	4.50	78-18 Brilliant Brass 100½ Wait for the Lady 120½ FastTart 115½ Tired 6
119	4.00	69-22 RunSmartly 122½ SaratogaSprk 113½ RoylRoller 119½ No threat 9
115	*9.0	79-27 Run Smartly 114½ Jon's Singer 115½ BadGerty 114½ Just missed 9
112	*1.30	81-20 Jon's Singer 112½ Lace Of Love 112½ OnlyKeren 114½ Drew off 6

Lifetime		1990		4		0		1		\$38,844	
19	3	4	1989	13	3	2	2	2	2	\$118,802	
\$157,646				Turf	13	2	1	4		\$113,090	

117	9.20e	83-10 Foresta 113½ ToTheLighthouse 113½ Songlines 111½ Weakened 11
108	4.10	87-18 DestinyOnce 111½ KeyFlyer 108½ Ysody's Kisses 112½ Gained place 5
109	27.40	102-03 Cpdes 119½ LughndBeMerry 114½ KeyFlyer 109½ Mild late rspns 7
119	10.60	95-03 ShineUp 119½ SouthernTradition 112½ KyFlyer 119½ Belated rally 12
109	73.30	77-15 Gaily Gaily 119½ Passionaria 113½ Capades 117½ Weakened 10
110	8.90e	82-16 Capades 115½ Miss Unnameable 114½ KeyFlyer 110½ Mild resp. 8
109	27.00	51-40 RiverMemories 112½ Cpdes 116½ MissUnnmebl 116½ No factor 11
117	73.40	54-42 Claire Marine 123½ Capades 117½ GailyGaily 123½ Faded drive. 8
110	26.90	87-18 Woong 111½ GlowingHonr 115½ LghndBMerry 114½ Weakened 9

111	*1.40	73-23 Key Flyer 111½ Balsa 117½ Majawas 117½ Lugged in, clear 7
Overall Avg.: -2.1		Jly 27 Bel 5f fst 1:14½ H

Lifetime		1990		3		0		1		\$3,815	
12	2	1	2	1989	9	0	0	1	1	\$8,251	
\$12,065				Turf	11	2	1	1		\$8,346	

112	23.90	84-05 DreamTouch 112½ Aishah 113½ RegalVictress 113½ Gave way 6
114	31.35	82-08 SpinnakersFlying 114½ WterSong 114½ Right 118½ No threat 8
b 110	11.60	79-07 TexRabbit 122½ LightThemAll 117½ TrckExpress 116½ Outrun 9
b 122	33.00	— WeddingBouquet 122½ RmthNsr 122½ InThGroov 122½ Outrun 15
b 122	20.00	— The Caretaker 122½ Miss You 122½ EndlessJoy 122½ Prom 3f 14
b 117	4.00	— RglVictress 117½ Mudrris 128½ HitchinRid 109½ Bid, drew away 7
b 126	4.50	— RglVictress 126½ LColFiuri 126½ CrylInThDrk 126½ Led fln 2f 10
b 126	3.50	— BoldStrlet 121½ WickedFolly 126½ CrouslMusic 126½ Prom 3f 10
b 123	2.00	— City Life 116½ Nordic Race 121½ RingofLight 123½ No rally 7
b 123	4.00	— Ahd 126½ RglVictress 123½ AlleghenyRiver 123½ Prom thruout 11

Overall Avg.: -11.6		Aug 3 Sar 5f fst 1:01½ H
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Lifetime		1990		7		1		2		\$31,200	
14	2	3	0	1989	7	1	1	0	0	\$28,192	
\$59,392				Turf	14	2	3	0		\$59,392	

117	21.60	87-14 LdyInSlvr 117½ PlntyOfGrcl 112½ Rsdmnd 117½ Lckd late rsgns 11
110	10.20	86-06 Quiff 113½ ToTheLighthouse 116½ SummerSecrety 119½ Outrun 6
117	*1.50e	91-15 SenoraTippy 117½ HighlandTide 109½ QueenOfSevns 117½ Driving 9
117	*1.80	95-04 GracefullyLoose 111½ SenoraTippy 117½ Heptne 117½ Willing 8
119	23.50	89-03 ShineUp 119½ SouthernTradition 112½ KeyFlyer 119½ No factor 12
112	*7.0	100-06 Smart n Daring 112½ Senora Tippy 112½ Lovalar 118½ 7
121	10.90	73-18 Lucky Lydia 121½ Silver Armada 114½ RegencyDubloon 115½ 10
121	38.80	89-08 Coolwin 121½ ToTheLighthouse 121½ Songlins 121½ Flattened out. 8

00	---	SenoraTippy 121½ Oeilladine 122½ EstrellaFueg 123½ Drew clear 8
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b 122	21.00	--- Top Apple 122½ Elka 126½ Bigouden 112½ Led to str 14
Overall Avg.: -2.0		Jly 24 Bel 5f gd 1:04½ B

Lifetime		1990		3		1		0		\$12,600	
8	3	0	2	1989	5	2	0	2	2	\$43,920	
\$56,520				Turf	8	3	0	2		\$56,520	

117	9.10	83-14 LdyInSlvr 117½ PlntyOfGrcl 112½ Rsdmnd 117½ Steadied bckstr 11
114	1.90	86-15 ToTheLighthouse 118½ Marsha'sDancer 112½ MonocleMiss 115½ 10
117	*2.50	90-14 Mikaya 117½ Go For Bold 122½ Rigamajig 122½ Driving 10
117	*1.50	82-10 Ann Alleged 117½ Majawas 117½ Mikaya 117½ Fin. well 10
117	*8.0	83-19 Mikay 117½ Silverholme 114½ Love'sLove 114½ Blocked, driving 8
122	*8.0	86-14 Ann Alleged 117½ Lypheora 118½ Mikaya 122½ Weakened 10
122	1.90	82-12 Mikaya 122½ Secret Circle 121½

There are two different turf courses at Saratoga, and also two different turf courses at Belmont Park (I needed to evaluate Belmont lines for this race). I was not sure exactly what the difference was between the four different surfaces, however I could still evaluate what each horse did based on the track variant and speed rating. After several years of research, there is enough evidence to prove to me that this is valid for contender selection.

I am going to go through the field and try to evaluate each horse as a contender. I'm going to use Phase I numbers instead of PBS numbers, as they have more meaning to me and they also gives me an adjusted early pace number and an adjusted final fraction number for as many pacelines as I care to look at on each horse. Let's go through the field and see how it shapes up, both for pace potential and running style.

Harvard's Best - Definitely a EP. This filly has had two very taxing races in a row and I immediately want to figure-out how I can beat her. Her early pace figure is 80 (an adjusted 113:0) and her final fraction is a good 96.5. I would only use her last paceline.

Crown Silver - has no form.

Mrs. K. - Just ran a great race on the dirt last out and is the best looking closer. I was suspicious of the dirt rating vs. the turf, so I checked out her turf performances at CD one race back. She seems to be lacking in final fraction on the turf, unless there is a huge difference between CD and Saratoga. Her early pace is okay on both turf and dirt (79 and 77), however her FFER for the turf is not good. (88.5) I have her as a weak contender at this point.

Sahera - No form.

Rose Diamond - An E or EP type horse. She seems to be slower than Harvard's Best to the second call (73.7 and 78.9 at Belmont four races back) but she has a good last fraction (97.5 and 94.3 at Belmont) and she could win the race. Definitely a contender at this point. I used her last paceline.

Jon's Singer - Just lost her last race by 33 lengths and at first inspection she looked to me to be a non-contender. She has the right type of running style for this race, however and that race at Belmont on the 17th of June looks interesting. She made a huge move between the 4F and 8F marker of a 10F race in which she finished well. She just won her previous race by 8 lengths, so she should be able to handle this tougher company, but I don't have a paceline to use. I'll skip her for the moment and move on.

Key Flyer - Definitely the class of this field, as she has been running well in stakes races and has a high APV. She has one serious problem that I can see; she really doesn't want to win! This bothered me, but her early number from her last race is the highest (of the contenders we have rated) in the field (82.5) and her FFR is 93.7, which is also good. She has been tried at much longer distances repeatedly and failed. My only question about this horse is: why doesn't she win? Her final fraction is good (93.7) and she has the numbers to win. I just don't care much for this type of horse. She may not be competitive enough to win, even though she certainly has the ability. Her last paceline is the only one I could use.

Regal Victress - Never been a distance before and has picked a very tough spot to try two turns. I chose to eliminate her.

Senora Tippy - Good race last out, where she was in contention all the way. She has won at this distance before at Belmont. Her EPR is 72.7, which is low for this field, but her 96.7 FFR is the best in this field. My only question is if she will be too far behind at the second call. Definitely a contender. Again I used the last paceline for lack of anything better.

My contenders are as follows:

		EPR	FFR
Harvard Best	EP	80.2	96.5
Mrs. K. dirt	P	78.6	98.3
Mrs. K. turf	P	76.7	88.5
Rose Diamond	EP	73.7	97.5
Rose Diamond	EP Belmont	78.9	94.3
Key Flyer	P	82.5	93.7
Senora Tippy	S	72.7	96.5

At this point in the handicapping process, I was still puzzled. I had less than desirable pacelines for all my contenders (only one at today's distance) and a confusing mixture of different turf courses and surfaces. I felt that there was money to be made in this race, if I only could sort out this mixture of information. I decided to let ENERGY! work its magic.

I still was missing one piece of the puzzle; I had not evaluated Jon's Singer's chances because of a lack of paceline and a loss of 33 lengths in her last race. I again looked at her last line and saw that it was run on a sloppy track. I also realized that many races had been moved from the turf to the dirt because of the rain in New York. If that was the case, she may not have cared for the footing or the mud kicked in her face, so I excused her last performance. Besides, she had been competitive till the second call and she had won her previous race by eight lengths, so I gave her a chance based on her 10F paceline of June 17th at Belmont. Here's how I made up a paceline for her that ENERGY! could handle, and I felt it would be a true reflection of her capability in today's race.

Please notice one thing about the paceline of 17Jun90 at Belmont. At the top of the stretch, this horse was only a head behind, so I reasoned that 8.5 could be a good distance for her. I also reasoned that this line was close to the probable pace of today's race, so if I could create a second call for this horse I would have a 8F paceline to use. Here is how I did it. I subtract the 4F portion of the paceline from the 8F portion of the paceline and divide the result by two.

$$\begin{array}{rcl}
 1:36:1 & = & 96.2 \text{ seconds (in tenths)} \\
 47:4 & = & 47.8 \text{ seconds} \quad " \\
 96.2 & - & 47.8 = 48.4 \quad "
 \end{array}$$

Dividing 48.4 by 2 = 24.2 seconds or 24:1 (in fifths)

All I have done is divided the race into 2F segments, now all I need to do is add the 24:1 to 47:4 and I have the 6F second call of a 8F race. The second call is now 1:12:0, and this seems to fit with the probable pace of today's race. I also estimated the beaten lengths to be 4.75. I did this by adding the beaten lengths at the 4F (8.75) and the beaten lengths at the 8F mark (.75) and dividing by 2. This may seem a bit "creative," but she did make a huge gain in the space of 4F. If you have a problem with this, don't feel alone. So do I.

Jon's Singer P

Gr. f. 3 (Apr), by Caro—Hellas II, by Dart Board

Own.—Belvedere Stables	Br.—Whitney Thomas P (Ky)	Tr.—Hartler John O
6Aug90-75ar sly 1 1/2 48% 1:12 1/2 1:57 3+ @Alw 33000	3 4 411 431 512 533	Cordero A Jr
22Jly90-78el my 1 1/2 51% 1:40 1/2 2:19 3+ @Alw 31000	4 1 11 12 17 18	Antley C W
6Jly90-43el fm 1 1/2 48% 1:36 1/2 2:01 3+ @Alw 31000	2 4 32 311 521 421	Goossens L
17Jun90-58el fm 1 1/2 47% 1:36 1/2 2:00 3+ @Alw 31000	8 9 981 42 2nd 231	Goossens L
11Jun90-78el fm 1 1/2 44% 1:09 1/2 1:34 3+ @Alw 31000	6 9 861 67 911 7151	Goossens L
26May90-78el fst 7 1/2 22 45 1:23 1/2 3+ @Alw 28000	6 6 79 64 613 6181	Goossens L
27Feb90-9Lri fst 6 1/2 23 47 1:11 1/2 @Alw 19000	4 2 331 53 56 610	Prado E S
4Feb90-10Lri my 1 1/2 47 1:12 1/2 1:45 3+ @Gay Mateida	8 5 561 581 510 417	Miller D A Jr
27Jan90-8Pha gd 1 1/2 46 1:11 1:43 3+ @Bryn Mawr	5 4 38 49 45 2nd	Miller D A Jr
5Jan90-8Lri fst 7 1/2 23% 47% 1:25 1/2 @Alw 17000	6 5 641 521 311 141	Desormeaux K J

Speed Index: Last Race: -3.0

3-Race Avg.: -7.0

3-Race Avg.: -7.0

LATEST WORKOUTS Aug 23 Sar 5f fm 1:00 H (d)

Lifetime	1990	10	2	2	0	\$46,597
16 3 4 1	1989	6	1	2	1	\$24,716
\$71,313	Turf	3	0	1	0	\$8,680

114 2.80 63-18 Perfect Coin 1171; Mrs. K. 1121 Le Famo 11711 Stopped 5
 113 2.00 69-17 Jon's Singer 1138Crestalita 1179SecretCircle 11011 Ridden out 4
 111 6.00 63-04 Same 1171 Igmaar 122k Won Scent 1121 Checked sharply 7
 111 63.12 66 - OstnyDnc 1171 Jon's Sng 1111QunOfSvns 1171 Wide, good try 11
 111 56.40 81-05 Srolucy 111k PlentyOfGrce 1097QunOfSvns 1171 Steaded start 12
 111 22.40 70-18 TokenDance 1121 HerSheShwklit 1133 Aspirations 1131 Outrun 7
 117 4.50 78-18 Brilliant Brass 108d Wait for the Lady 120k FastTart 1151 Tired 6
 119 4.00 69-22 RunSmartly 1225SaratogaSprk 1133 RoylRoller 1191 No threat 9
 115 *9.0 79-27 Run Smartly 114d Jon's Singer 115d BadGerty 1145 Just missed 9
 112 *1.30 81-20 Jon's Singer 1124 Lace Of Love 1121 OnlyKeren 1141 Drew off 6

Overall Avg.: -5.2

Key Flyer

B. f. 4, by Nijinsky II—Key Partner, by Key to the Mint

Own.—Icahn C	Br.—Icahn C C (Ky)	Tr.—Jolley Leroy
13Aug90-85ar gd 1 1/2 48 1:11 1/2 1:48 3+ @Diana H	10 3 23 211 531 541	Cruguet J
13Aug90-Grade II		
1Jly90-88el sly 1 1/2 49% 1:38 1/2 2:19 3+ @Shpsd By H	4 2 21 21 31 231	Cruguet J
1Jly90-Grade III		
16Jun90-88el fm 1 1/2 47% 1:34 1/2 1:58 3+ @New York H	7 6 76 761 67 36	Cruguet J
16Jun90-Grade II		
25May90-68el fm 1 1/2 44% 1:09 1/2 1:33 3+ @Alw 36000	1 10 1118 86 351 341	Cruguet J
5Nov89-9GP gd 1 1/2 48% 2:05 1/2 2:29 3+ @Prncs Rny H	3 3 31 1nd 32 621	Velasquez J
9Oct89-88el fm 1 1/2 46% 1:36 2:13 3+ @Athenia H	1 4 751 761 410 381	Cruguet J
9Oct89-Grade III		
16Sep89-78el y 1 1/2 50% 1:41 2:06 3+ @Flwr Bwl H	1 9 98 771 671 691	Santos J A
16Sep89-Grade I		
2Sep89-8AP y 1 1/2 51% 1:17 1/2 2:01 3+ @Beverly D	3 3 32 42 551 541	Cruguet J
14Aug89-85ar gd 1 1/2 48% 1:13 1:50 3+ @Diana H	1 3 36 321 33 521	Samyn J L
14Aug89-Grade II		
12Jly89-78el gd 1 1/2 48 1:39 1/2 2:04 3+ @Alw 31000	1 3 331 411 22 111	Cruguet J

Speed Index: Last Race: -7.0

3-Race Avg.: -1.3

9-Race Avg.: -2.8

LATEST WORKOUTS Aug 23 Sar 5f st 1:01 1/2 H

Aug 10 Sar 3f st 1:36 1/2 H

Aug 3 Sar 5f st 1:01 1/2 H

Jly 27 Bel 6f st 1:14 1/2 H

Regal Victress

Ch. f. 3, by Diamond Prospect—Baraquinillo, by Barachois

Own.—Krakower L J	Br.—Widen Stud Party Ltd (Ont-C)	Tr.—Taylor Ronald J
11Aug90-45ar my 7 1/2 22 1/2 45 1:22 1/2 3+ @Alw 31000	2 3 33 211 361 38	McCauley W H
14Jly90-8WQ fm 6 1/2 22 1/2 46 1:15 1/2 @Ont Damsel	5 7 632 54 815 8101	McAeney J S
14Jly90-Grade III-C; Run in Divisions		
30Jun90-10Al fm 5 1/2 22 1/2 45 1:09 1/2 3+ @Alw 25000	8 9 971 910 910 8121	Alligood M A
7Oct89-3PhoenixPK(lre) gd 7 1/2 1:20 @Park Stakes(Gr3)	1015	Roche C
2Sep89-3PhoenixPK(lre) gd 7 1/2 1:20 1/2 @SilverFlashStks	1181	Carroll R
7Aug89-2Leopardst'n(lre) gd 6 1/2 1:12 1/2 @Newtownpark Nursery Hcp	14	Smith D V
12Jly89-4Dundalk(lre) fm 7 1/2 1:37 1/2 @Ardee Plate(Mdn)	1no	Kinane M J
4Jly89-3Bellewstown(lre) gd 5 1/2 1:01 @Kilsharven Plate(Mdn)	65	Kinane M J
5Jun89-4Tralee(lre) gd 5 1/2 1:03 1/2 @Ardert Plate(Mdn)	43	Carroll R
1Jun89-1Naas(lre) fm 6 1/2 1:11 1/2 @Maudlins Plate(Mdn)	21	Kinane M J

Speed Index: Last Race: (-)

3-Race Avg.: (-)

12-Race Avg.: (-)

LATEST WORKOUTS Aug 25 Sar 3f sly 1:35 1/2 H

Aug 19 Sar 5f st 1:59 1/2 H

Aug 8 Sar 3f sly 1:36 1/2 H

Aug 3 Sar 5f st 1:01 1/2 H

Senora Tippy

Ch. f. 4, by El Gran Senor—Active Voice, by Pretense

Own.—Knight LE	Br.—Knight Landon (Ohio)	Tr.—Wright William W
15Aug90-25ar gd 1 1/2 49% 1:13 1/2 1:50 3+ @Alw 33000	8 4 621 531 521 431	Cruguet J
30Jly90-48el fm 1 1/2 49 1:12 1/2 1:41 3+ @Handicap	4 6 56 581 411 412	Santos J A
30Jun90-48el fm 1 1/2 47% 1:11 1:42 3+ @Alw 31000	3 9 861 65 31 1nd	Santos J A
14Jun90-7Mth fm 1 1/2 48 1/2 1:12 1/2 1:43 3+ @Alw 17000	8 7 611 311 31 211	Santagata N
25May90-68el fm 1 1/2 44% 1:09 1/2 1:33 3+ @Alw 36000	5 8 714 641 671 811	McCauley W H
27Apr90-6Kee fm 1 1/2 48 1:12 1/2 1:38 3+ @Alw 24600	1 4 311 1nd 2nd 2nd	Melancon L
11Apr90-9Kee fm 1 1/2 47 1:47% @Alw 25800	6 4 47 31 42 66	Melancon L
28Oct89-8Kee fm 1 1/2 49 1/2 1:13 1:43 3+ @Qn Ez C Cp	6 7 821 621 751 891	Allen K K

Speed Index: Last Race: +1.0

3-Race Avg.: -0.3

8-Race Avg.: -2.0

LATEST WORKOUTS Aug 24 Sar 5f gd 1:03 1/2 B

Aug 10 Sar 5f fm 1:00 H

Jly 28 Bel 4f st 1:51 B

Jly 24 Bel 5f gd 1:04 1/2 B

Mikaya P

B. m. 5, by Miswaki—Heeria, by Habitat

Own.—Esterhazy Marianne	Br.—Esterhazy Marianne (Ky)	Tr.—Skiffington Thomas J
15Aug90-25ar gd 1 1/2 49% 1:13 1/2 1:50 3+ @Alw 33000	6 11 1171 99 651 571	Antley C W
14Apr90-9Kee y 1 1/2 47% 1:13 1/2 1:45 3+ @Alw 28000	1 4 611 1051 911 9201	Perret C
28Mar90-8GP gd 1 1/2 44% @Alw 21000	2 6 541 54 3nk 121	Penna D
27Oct89-6Aq gd 1 1/2 48 1/2 1:13 1/2 1:45 3+ @Alw 34000	4 7 97 941 621 311	Bailey J D
11Oct89-88el fm 1 1/2 47% 1:12 1:43 3+ @Alw 32000	3 6 541 53 31 141	Bailey J D
11Sep89-48el fm 1 1/2 47% 1:13 1:27 3+ @Alw 29000	9 5 55 521 31 331	Perret C
20Aug89-55ar fm 1 1/2 47% 1:11 1/2 1:43 3+ @Mid Sp Wt	3 6 671 431 3nk 14	Day P
5Aug89-45ar sf 1 1/2 49% 1:15 1:47% 3+ @Mid Sp Wt	2 10 1091 891 731 431	Day P

Speed Index: Last Race: -3.0

3-Race Avg.: -6.0

8-Race Avg.: -4.5

LATEST WORKOUTS Aug 8 Sar 4f sf 1:50 H (d)

Aug 2 Sar tr 1 5f st 1:04 B

Jly 28 Sar tr 1 5f st 1:04 1/2 B

Jly 23 Sar tr 1 4f st 1:52 1/2 B

Lifetime	1990	3	1	0	0	\$12,600
8 3 0 2	1989	5	2	0	2	\$43,920
\$56,520	Turf	8	3	0	2	\$56,520

117 9.10 83-14 LdyInSlvr 1171PlntyOfGr 1124RsDmnd 1171 Steaded bkstr 11
 114 1.90 66-15 ToTheLighthouse 1181Marsha'sDancer 1121MonocleMiss 1151
 117 *2.50 90-14 Mikaya 1171 Go For Bold 122k Rigamajig 1221 Driving 10
 117 *1.60 82-10 Ann Alleged 1171 Majawas 117k Mikaya 1171 Fin, well 10
 117 *8.0 83-19 Mikay 1171 Silverholme 114k LovelsLove 1141 Blocked, driving 8
 122 *8.0 86-14 Ann Alleged 1171 Lyphora 1181 Mikaya 1221 Weakened 10
 122 1.90 82-12 Mikaya 122k Secret Circle 1121 Full Till 1171 Drew clear 9
 122 7.20 64-30 @ScrCrc 1121 RcdStr 117k MyHnBn 1121 Bothered, steady 4

Overall Avg.: -4.5

I have different ways of looking at racing, and I often visualize the running of a race based solely on the running style of the horses and how they fit together in any given race. I could see Jon's Singer moving into contention in the upcoming race, but I was not sure if Jon's Singer could sustain the move to the wire. I decided to let ENERGY! sort out this information. I asked Dr. Sartin if he thought my read-outs were a true reflection of the race, and he just smiled and patted me on the shoulder. I later learned he immediately went to the windows to bet on the winner, the place horse, and the quinella.

Here is what I saw when I looked at the read-outs. Jon's Singer looked like the key horse in this whole picture. I wasn't sure how close she was going to be at the wire, so I felt that the best way to handle this race for me was to bet the exacta and a win and place bet. Here is how I structured my bet.

I used Jon's Singer as the key horse. My feeling was that this horse would be first or second based on the read-outs of ENERGY!. Also I had to choose a second win contender, and the choice was between Senora Tippy and Rose Diamond. I finally decided on Senora Tippy, based on the Hidden Energy read-out and the tie for late energy with Jon's Singer. Even though the variegate said Presser, I did not feel that Rose Diamond validated her #2 ranking in the presser category with read-outs in Hidden and Late Energy. I also knew that the Sustained read-out was a three for Senora Tippy, but a big part of Sustained is Early Pace, and I was looking for a filly that could use her Energy in the last two fractions of the race. Senora Tippy was slightly better than Rose Diamond. I also felt that Rose Diamond might get used up in the early going of the race and our top two late energy horses might well prevail.

I did not have as much time as I would have liked to structure my bet. I did bet exacta boxes with Jon's Singer to Rose's Diamond, Key Flyer, and Senora Tippy. I feel really stupid to admit that I used Key Flyer even though ENERGY! gave Key Flyer little chance in the race. I did it because of her high APV and a lack of analysis time. In looking back on the race, ENERGY! did what it does so well: it sorted out a difficult race and picked a very nice win and place mutual and an excellent exacta. I also bet Jon's Singer to win and place and bet Senora Tippy to win, place, and show. When the horses turned for home and my horses were in the lead, I knew my analysis was correct. I Just love it when a plan comes together!

FOURTH:\$33,000, 3-year-olds & up, fillies & mares, allowance, 1 1/16 miles. Off: 2:41, start good, won driving. Times: 23 2/5, :47 3/5, 1:11 4/5, 1:37, 1:43 3/5. Winner trained by William Wright.

Horse	Wt.	P	1/4	1/2	M	Str.	Fin.	Jockey	SOdds
Senora Tippy	117	9	8	6	4th	3-1hf	1hd	Cruguet	10.30
Jon's Singer	114	6	5	3	2	1hd	2-1 1/4	Cordero	10.30
Key Flyer	117	7	6	5	5	5-2	3no	Smith	2.10
Mikaya	117	10	9	7	6	4hf	4nk	Antley	6.20
Rose Diamond	117	5	4	1	1	2hf	5-3	Bailey	3.80
Mrs. K.	113	3	1	8	8	7hd	6hd	Perret	4.90
Regal Victress	112	8	10	10	9	8-2	7-1hf	McCauley	40.50
Crown Silver	117	2	2	2	3	4-1	8-2hf	Vasquez	15.70
Sahara	117	4	3	4	7	9-4	9-4hf	Maple	79.30
cw-Harvard's Best	114	1	7	9	10	10	10	Samyn	8.20

SCRATCHED: Barcarzini (M), Hot Marshmallow (J), Same (K).

PAYOFF

9	Senora Tippy	22.60	10.30	5.60
6	Jon's Singer		10.60	6.20
7	Key Flyer			2.30

EXACTA 9-6 paid 247.00

QUINELLA 6-9 paid 122.20

OTB: 1-21.40, 10.20, 5.20; F-10.00, 5.80; G-2.40

EXACTA 1/F-232.00

QUINELLA 1/F-114.80

Michael J. Ring
927 N. Penn St.
Allentown, Pa 18102

September 3, 1990

Mr. Dick Schmidt
1215 Alma St.
Glendale, Ca. 91202

Dick,

I was in attendance at the Saratoga seminar as a newcomer to the Methodology.

I thoroughly enjoyed all of the presentations and appreciate the work that went into them.

The most memorable parts of the seminar :

The respect conveyed by all of the charter members for Dr. Sartin,

Your use of the word "FREEDOM", as the reward for mastering the Methodology.

As a result, I left Albany with a sense of direction and purpose.

Thank You.

Sincerely,

Mike

Dear Mike,

Though your letter was addressed to me, it is really written to all the PIRCO Charter and Teaching members who contribute so much to making all of our seminars, workshops and classes such a success. It's letters like this that make it worthwhile and keep us going. Thank you.

- Dick Schmidt

