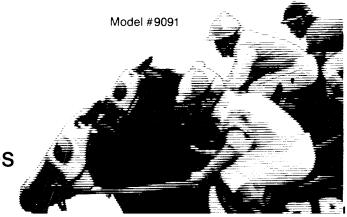
Thoroughbred HORSE RACE ANALYZER Instructions

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Horse Race Analyzer U.S. Patent #4382280



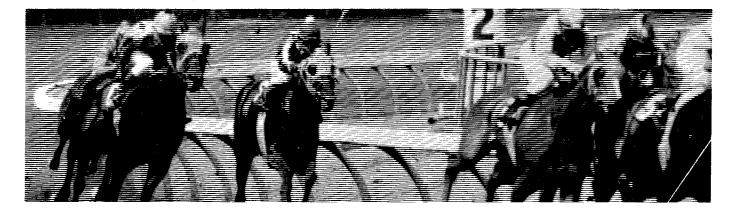
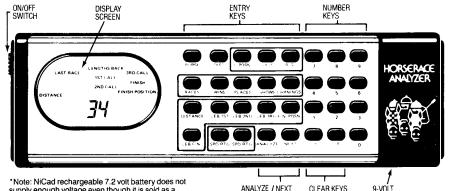


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HOW TO INSERT THE BATTERY:

Insert coin in slot on back of case. Snap cover out to remove
 Snap battery to connector. Place into case. Insert back

end of door into place, then snap in front end.

TO REMOVE 9-VOLT TRANSISTOR BATTERY:

Place the corner of the battery compartment cover between the battery posts, then pry up gently.



IMPORTANT: If the computer "messages" appear to be malfunctioning, this is the first sign of battery wear. A fresh battery should solve the problem. **Use alkaline batteries** for longer life. Because the L.C.D. display draws so little current, an AC adaptor is unnecessary.

INTRODUCTION

Congratulations! Your new Thoroughbred Horse Race Analyzer is revolutionary! With it you have an analytical edge at the racetrack—computerized handicapping! The computer asks you questions. You punch in the answers. The hard part is done for you!

The Horse Race Analyzer is a fine piece of precision equipment. Treat it as such. Take good care of it. Use it according to these instructions and it can help you have many enjoyable, exciting days at the track.

How does it work?

Like anything else that's rewarding, the Horse Race Analyzer takes some work. Actually, this special-purpose machine does most of the work for you.

to use the entire sequence for each horse. And be sure to check your answers on the display as you feed them into the computer. Missing some vital information or putting in the wrong number could seriously impair the computer's very special analyzing and rating abilities.

You and the Computer are a Team

A lot of research has gone into the development of the Horse Race Analyzer™ and its handicapping program. It required extensive experience to decide which factors are the most important in handicapping. As you already know, the Horse Race Analyzer computes many of these factors. But there are also decisions **you** should make after the computer has given its opinion. You are just as important as the computer—you two are a team. The computer does a lot of the tiresome drudgery involved in handicapping cal-

With a little concentration at the beginning, you'll soon get the hang of it. The Horse Race Analyzer asks you some basic questions about each horse in the race—for example, how has the horse done so far this year? How did it do last year? How well did the horse run during its last race, and the race before that?—and so on.

If you're a horse race novice, don't panic! Nobody expects you to know all that. You simply find the answers in the **Daily Racing Form**, a newspaper that has all the information you need. As you find the up-to-date numbers in the **Daily Racing Form**, just punch them into the computer. Don't worry about what number comes next. The computer will automatically ask you for what it needs—in the right order!

This programming process gets easier with every race you handicap. Remember, though, **don't take shortcuts!** It's very important

culations, but you have to make the final decisions. Now that you have a technical "expert" as your aide, handicapping horses is a lot more fun!

Chances are that you haven't had a lot of experience with computers. Even though the Horse Race Analyzer is a microcomputer, don't let that bother you! It probably seems more complicated than it really is, and you really will find it easy to use after you work with it a while. It's been programmed to remind you of every piece of information it needs, so you don't have to memorize anything.

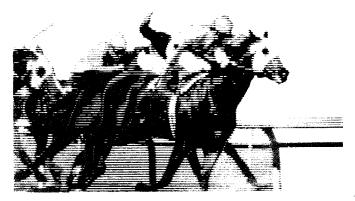
While NO method, system, theory or computer can guarantee you a first, second or third-place finisher every time, the Horse Race Analyzer will give you a chance to select some of the more promising horses and become more involved in the fascinating game of race handicapping.

Let's stay on the right track!

THE HORSE RACE ANALYZER IS DESIGNED FOR THOROUGHBRED RACING. IT MUST BE USED FOR THAT SINGLE PURPOSE TO GIVE YOU THE PRECISION YOU WANT, ITS PROGRAM IS DESIGNED FOR HANDICAPPING OF RACES OF 3 YEARS-OR-OLDER EXPERIENCED HORSES ON FAST DIRT OR FIRM TURF TRACKS, RUNNING DISTANCES OF 6 FURLONGS OR MORE (1 furlong = 1/8 mile). IT CANNOT BE USED FOR "MAIDEN RACES."

The Horse Race Analyzer is NOT designed for harness races (trotters or pacers), quarter horse or dog races.

Just remember, computers work on information. So if you want to get the best results from this computer, use it only on races between horses that have had enough experience to analyze! USE THE HORSE RACE ANALYZER FOR RACES WHERE AT LEAST 90% OF THE 3-YEAR-OLD (OR OLDER) HORSES HAVE AT LEAST 5 RACES SHOWN IN THEIR PAST PERFORMANCE STATISTICS. When you see a race like the one on the next page, just pass it by and concentrate on races that show more performance histories.





LASIX—Yerna, R	un for the Crown.				
Grand It Is ALVARADO F.J. (54.2.3.1.3) Own.—Everand & Martin 2/ug\$2-40mrfst 54f :21 3/ly\$2-3Hol fst 5f :22 18/ug\$2-3Hol fst 5f :22	Gr. f.; 4) :443 1:034	00 52 6 5 43 32 31 22 Solis A	117 8 117 1430 80- 8 117 3.50 78-	14 SliceN'Dice1172	1992 4 Ma 1 0 \$7,4 1741'mAn1ss1175PrspctRr17 No mishap GridlitJs117#Yesk117 Off slowly, wide Yera117#*TiphonTrago117 Bumped 1/8
2004/92- 4Hol fst 44f :213 LATEST WORKOUTS		00 47 5 4 78 47 47 Afvarado F J		89 IrshBloomn1173S	SmplyGrvy11734GntlApprch114 No raily Aug 17 Door 51 fst 1:011 No
Yerna	B. f. 26	Acr), by Dahar—Egloga-Ar, by Minera		Lifetime	1992 2 M 1 1 \$7,9
VALENZUELA P.A. (144.25.) Dwn.—Paulson Allen E	•	Br.—Paulson Allen E (Ky) Tr.—Vienna Darrell (28 4 5 5 .14)	117	2 0 1 1 \$7,950	
Blugg2- 6Dmr fst 6f :221 Dung2- 3Hol fst 5f :22 Atest workouts	:454 1:111 @Md 500 :453 :581 @Md 800 Aug 23 Door 5f fst 1:813	00 55 5 5 44 32 32 231 McCarron C.	A LB 117 *1,70e 75= J LB 117 7.00 67-1 Aug 9 Door 51 fet 1	87 Don't.Ignor11734Y	EnchntdButy11213Yrn117 Took up 1/4 frn117#TlphnTng117 Off slowly, wide Ann 4 Duw Stfst 1:011 M
So Feminine	■. f. 2(Apr), by Danzig Connection—Above Mystery, b		Lifetime	1992 2 M B 0
ELEZJAJR (SS 8 7 8 JM)		Br.—Above Mystery Breeding & KennelotS	table (Ky)	Z 0 0 0	
wnBaker Howard J		TrLambert George T (8 1 1 0 .13)	117		
0Aug52-6Dmrfst 7f :222			8 117 97.70 74-1	2 FitNFppy1172Pss	ingVice1179SwtSvnn117 Wide far turn
LUM92-6GG fst 5f :204 ATEST WORKOUTS	:444 :573 @Md Sp Sep 1 Hel 5f fst 1:801 H				ostBufft1174SyhSpotRun117 No threat
		Aug 27 Hol St fst 1:141 H	Aug 22 Hei 4ffst	.w/ · m	Aug 17 Heil 3f fst :35 H
Run For The Co	rown 0. f. 2(Apr), by Chief's Crown—Joy Returned, by Big	Spruce	Lifetime 2 0 1 0	1992 2 M 1 0 \$4,4
STERLING L J JR (15 0 2 2 Dwn.—Iron County Farms	, M)	Br.—G&M Breeding Farms Inc (Ky)	117	34,480	
14Aug82- 3Dmrfst 6f :222 4Jly82- 6Hol fst 5f :221	:454 1:111 @Md 500 :452 :573 @Md Sp	Wt 44 7 9 917 810 610 6124 Delahoussaye	ir LB 117 45.40 81-1	IS Mdml'Enjir1172R 19 ZiousFith11754Ct	nFrThCrn1174BjBll117 Bumped break ch11724Alyn'sLov117 Off slowly, wide
LATEST WORKOUTS	Sep 3 Door Stifst 1:013	H Aug 25 Deur 4f fst :462 H	Aug 11 Desr 5f fst		Aug 3 Deer St fst 1:012 H
Ask Anita	B. f. 2(Mar), by Wolf Power—Epanoui, by Val de l'Or	*	Lifetime 2000	1992 2 M 0 0 \$2,10
BAZE R A. (—) Dwn.—Spiegel Robert		Br.—Spiegel Robert (Ky)	117	\$2,100	
NAMOS2- 60mrfst 7f :222			B 117 8.70 72-	12 FitNFppy1172Pss	ingVic1179SwtSvnn117 5-wide stretch
4JIy92-6Hol fst 5f :221 LATEST WORKOUTS	:452 :573 @Md Sp Sep 3 Door 5f fst 1:813		J D 117 22.10 85-4 Ann 24 Deur 5f fst		Ctch1172 Aleyn's Love 117 Wide early Aun 18 Deer 3f fst :36 H
Voluptuous	•	(Feb), by Cozzene—Victorious Girl, by Raise a		Lifetime	AND 1992 2 M 1 0 S6.32
60LIS A (100 22 24 24 .12)		Br.—Baker Howard (Ky)		2 0 1 0	
Dwn.—Salvi China Lee		Tr.—Van Berg Jack C (39 5 4 6 .13)	117	\$6,325	
May 82-60mrfst 7f :222			B 117 *1.40 74-1	2 FitNFppy1172Pss	ingVice1179SwtSvnn117 Very greenly
SJIY92- 3Ho! fst SJf - :214 .atest workouts			B 117 4.60 B5-1	M Zoonaqu1176Volu	iptwous1173Aleyn'sLove117 No match
	Sep 1 Deer 5f fst :594		Aug 6 Hol 6f fst 1:		Jly 20 Hol 4ffst :47 H
Countess Ferdir NTKINSON P (NZ 12 8 13 A		(Feb.), by Ferdinand—Enumerating, by Turn as Br.—Foxfield (Ky)		Lifetime 1 0 0 0	1992 1 M 0 0 \$72
Dwn.—Fiesta Racing Stabl	i	Tr.—Schiewe Paul (6 1 0 0 .17)	117	\$725	
Quality Charlet Sif .311	44 1 M2 MH 4 C-	M/4 #4 48 4 80 303 F7 PA1 441 0			

B 117 92.60 87-85 Eliza1172) Set Them Free1175 Nijivision117 Wide trip 19 Aun 15 SLR tr.t 4f fst :474 H Aun 4 Door 5f fst 1:611 H

Shugh2- 6Dmrfst 54f :211 :44 1:83 @Md Sp Wt 61 10 1 86 764 57 594 Atkinson P

LATEST WORKOUTS Any 29 SLR tr.t. 77 fet 1:27 H Any 19 Denr 57 fet 1:03 H

The **Daily Racing Form** is where you'll find all the information you'll need. This paper lists Past Performance statistics for all the horses running in every race at major tracks in the United States, and contains all the numbers you will need to input into the computer.

By the time you've handicapped just a few races you'll locate these numbers in the **Daily Racing Form** and feed them into the computer quite fast. And don't worry—**this** computer is made to do most of the work for you!

Remember the computer display will ask you the information in correct order. You need not remember the sequence. Merely familiarize yourself with the location of the information required in the **Daily Racing Form.**



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USING THE ANALYZER STEP-BY-STEP 1. PURSE

- Turn the Horse Race Analyzer on. By sliding the switch upward (the display will read PURSE.)
 Note: The PURSE figure is used only once for each race.
- Using the number keys to enter the amount of the PURSE.
 (Example if the PURSE was \$9000 you would press 9 0 0 0 followed by PURSE) The PURSE figure can be located in the following section of the **Daily Racing Form.**

7th Bay Meadows 6 FURLONGS BAY MEADOWS

6 FURLONGS. (1.08) CLAIMING. Purse \$9,000. Fill 3-year-olds, 118 lbs.; older, 122 lbs. Non-winner race since then, 6 lbs. Claiming price \$20,000; for starter and claiming races for \$15,000 or less not

Note: If you make a mistake when you punch in PURSE turn the computer off and then on again to clear it.

Be especially careful when you enter PURSE, because the number you key in will apply to all the horses in the race, and have a major effect on the final ratings.

After you've entered PURSE, if you make a mistake with any other number you can erase it (before you press its Entry Key) with <code>C/E</code>. If a wrong number is actually entered, you can erase all the information for one horse by pressing <code>C/H</code>. Then the computer will start you again by asking for POST POSITION.

Note: For the first time, this model (#9091) of the Horse Race Analyzer permits you to program race with 7-digit purses. Please note, however that you will not see the actual last (7th) digit appear or the usplay screen when you have entered it. Instead, your indication that all 7 digits have been entered by you will be the prompt word PURSE blinking on and off rapidly immediately upon your entering all 7 digits. Should PURSE blink when you do not want 7 digits, press [C/E] and re-enter the correct data.

2. DISTANCE OF RACE

The second step in the sequence is DISTANCE. When you see this message, find the number in the **Daily Racing Form**.

If this is a Sprint Race (less than a mile, i.e., less than 8 furlongs), press 11 and then DIST.

If this is a Route Race (a mile or more, i.e., 8 furlongs or more), press 2 and then DIST.



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3. POST POSITION

The third step is POST POSITION. This refers to the position of each horse at the starting gate. The order of horses' names in the **Daily Racing Form** or in the track program is generally the same as the Post Positions they will actually run from at the start of the race. However, some horses might drop out (be "scratched") and others might be added from the "also eligible" list, which might change the Post Position numbers. Enter the proper number and then press P. POSN.

5. RACES SINCE LAST LAYOFF

The fifth step is RACES SINCE LAYOFF. A "layoff" is a period of 30 days or more between races. Look down the column of race dates and if you find a 30-day gap between any of them, enter the number of races this horse has run since that layoff. If the last race was more than 30 days ago, press o. If you don't find any layoff period, press o. Then press R.S.L. If CONQUISTADOR SIX (below) were running on September 13, 1992, the Races Since Layoff figure would be 3.

| Conquistador Six | 4Sep92- 2Dmr fst 6f | :22 | 21Aug92- 9Dmr fst 6f | :214 | 3Aug92- 9Dmr fst 6f | :214 | 28Jurg2- 4Hol fst 7f | :223 | 25May92- 4Hol fst 6Jf | :214

4. DAYS AWAY

Now the computer asks you for DAYS AWAY.

▲ FINISE

- Count the number of days between the race you're handicapping and the last date the horse ran—the top date of the Past Performance lines.
- Then punch in that number and press DAYS to enter it. If you
 were handicapping CONQUISTADOR SIX for a race to be
 run on September 13, 1992, you'd enter g for DAYS AWAY.

Conquistador Six 4Sep32- 2Dmr fst 6f :22 :452 1:102 21Aug32- 9Dmr fst 6f :214 :444 1:094 3Aug32- 9Dmr fst 6f :214 :443 1:084 28Jun92- 4Hol fst 7f :223 :453 1:221

6. TWO-YEAR PERFORMANCE RECORD

The computer asks you for the number of races this horse has run in the current (calendar) year. Punch in that number and enter it with [RACES].

Next, the computer needs to know the number of times the horse finished first, second, and third, and its total winnings during the **current year.** Find each of these numbers and key them in. Enter them with <u>WINS PLACES SHOWS</u> and <u>EARNINGS</u>.

Complete this step by answering the computer's questions about the horse's track record for **last year**. Use the same set of Entry Keys with these prior year numbers. NOTE: IF THERE **WERE** NO PRIOR YEAR EARNINGS, ENTER ①.

NACES	SMILAN	FLACES	SHOWS	CAMINING
				—

1992	5	1	0	2	\$14,595
1991	15	3	4	1	\$31,020
Turf	9	2	1	1	\$26,190
Wet	6	1	G	3	\$11,495

DACEC WINE DIACEC

Note: For the first time, this model (#9091) of the Horse Race Analyzer permits you to program any horses which attain 7-digit Earnings. *Please note, however, that you will <u>not</u> see the actual last (7th) digit appear on the display screen when you have entered it.*

Instead, your indication that all 7 digits have been entered by you will be the prompt word EARNINGS blinking on and off rapidly immediately upon your entering all 7 digits.

Should EARNINGS blink when you do not want 7 digits, press $\overline{\textit{C/E}}$ and re-enter the correct data.

7a. LAST RACE DISTANCE

The next step provides the Horse Race Analyzer with some details about how each horse actually ran during its most recent races. When you see LAST RACE/DISTANCE, do the same numeric shorthand you used for the current race length—① if less than a mile, ② if a mile or more. The lower-case "f" in this example means "furlongs" miles are shown as numbers and fractions only. If you ever find an "a" in front of the distance, it means "about" Disregard the "a" and just base your "1" or "2" answer on the distance. Enter it with DISTANCE.

I AST RACE DISTANCE.

26Aug88- 1Atl fst 6f	:21% :451/s 1:11 3 + (F)(S)(Cim 7500	5 8 88 87 87 66 36
18 Aug 88 - 6 Atl fst 6f	:223/s :461/s 1:12 3+@SCIm 8000	6 1 45 44 43 43 42
20Jly88- 2Mth fst 6f	:22 3/s :461/s 1:121/s 3+@Clm 5000	3 8 911 810 712 711
30 Jun88 - 2Mth fst 6f	:22 % :46% 1:12% 3 + @SCim 6000	6 2 57 65½ 33½ 1no

7b. LAST RACE RUNNING LINE

The next questions take you to what is known as the "running line." This string of numbers tells how the horse ran during the course of its last race. The horse's field position is shown at three "calls," or stages of the race, as well as its finishing position. After each of these numbers a small number or symbol tells you how many lengths behind the leader (or ahead of the next horse, if leading) the horse was at the call—the "lengths back" number. WHEN YOU PUNCH IN THE LENGTHS-BACK NUMBERS, ROUND DOWN ANY FRACTIONS TO THE LOWER WHOLE NUMBER.

If the lengths-back is "no" (by a nose), "nk" (by a neck) or "hd" (by a head), use ① for your answer. If the horse is in first place, use ②. Enter the LAST RACE/LENGTHS BACK/1ST CALL number with LEB 1st. Then punch in the second and third small numbers in

this line when the display asks for LAST RACE/LENGTHS BACK/2ND CALL and LAST RACE/LENGTHS BACK/3RD CALL. Enter them, in turn, with L.E.B.2nd and L.E.B.3rd. Remember, if the horse was in first place or less than a length behind the leader, use ① for LENGTHS BACK.

The next question to answer is LAST RACE/FINISH POSITION. Find the Finishing Position number in this running line and key it in. Then enter it with FIN. POSN.

The last item, which completes the profile you are giving the computer of the horse's performance last time out, is LAST RACE/LENGTHS BACK/FINISH. Use the last small number in the "running line." If the horse finished first or less than a length behind the leader, use [0]. Then enter this number with L.E.B.FIN.

26Aug88- 1Atl fst 18Aug88- 6Atl fst 20Jly88- 2Mth fst	6f :223/5 6f :223/5	:461/5 1:12 :461/5 1:121/5	3 + ⊕SClm 7500 3 + ⊕SClm 8000 3 + ⊕Clm 5000	6 3	18	45 911	810	43 <u>1</u> 712	42 711 <u>1</u>
30Jun88 - 2M th fst	of :22 %	:46% 1:12%	3 + @[S]Clm 6000	6	2	57	651	331	1no

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8. RACE BEFORE LAST DISTANCE & RUNNING LINE

The computer needs this kind of running profile for more than one race, so it will ask you to go through this routine for the 2nd race back. Just drop down one line in the statistics and punch in the same kind of "running line" information for that previous race. Enter these numbers with the same Entry Keys: DISTANCE L.E.B. 1st L.E.B. 2nd L.E.B. 3rd FIN. POSN, L.E.B. FIN.

26Aug88- 1Atl fst	6f	:21%	:451/5 1:11	3 + (F)(S)Clm 7500	5	8	883	871	66	36
18 Aug 88 - 6 Atl fst	6f	:223/5	: 461/ 5 1:12	3 ↑ (₹)(S)C1m 8000					431	
20Jly88- 2Mth fst	6f	:223/5	:461/5 1:121/5	3 + (₱Clm 5000	3	8	911	810	712	7114
30 Jun88 - 2Mth fst	6f	224/5	:46% 1:12%	3 + @ (S)Clm 6000	6	2	57	651	331	1no

9. 3rd RACE BACK, DISTANCE, LENGTHS BEHIND

The computer needs just a little more information about the horse's race distance history and out-of-the-gate running traits. So to complete this part of the program, key in the distance of the horse's 3rd race back (again using the "① or ② code"). Enter it with DISTANCE. Then punch in the lengths-back figure at the 1st CALL. Enter it with L.E.B. 1st. That is all you need enter for the 3rd race back.

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26Aug88- 1Atl fst 6f :214% :45% 1:11 3+$\(\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mathre{\mat
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The last entries are taken from the horse's speed ratings. There are two ways to do this. THE FIGURES YOU USE DEPEND ON THE LENGTH OF THE RACE YOU ARE HANDICAPPING.

66 6 4 574 59 56 654 Moorefield W T5 L 107 420 86-12 FrOutNurs119nkPicnici 83 2 4 554 44 33 14 Moorefield W T5 L 104 3.00 92-12 Crtown's Mrgret 1044 075 3 5 454 464 364 274 Moorefield W T5 104 5.80 85-15 MxdApptl1772 Crttwn's G3 4 7 79 784 784 644 Pino M G L 115 7.70 78-13 StriktSrors1172 Pretcl

Pino M G

ROUTE RACE

SPRINT RACE

If it's a mile or more—a ROUTE RACE, the computer will ask you for 2 BEST SPEED RATINGS/OF LAST 5 RACES. Look down the Speed rating column and select the two HIGHEST numbers in the most recent five races. Punch in one of them and press the left [SPD.RTG.]. Then do the other and press the right [SPD.RTG.].

If it's less than a mile—a SPRINT RACE, the computer will ask you for 2 BEST SPEED RATINGS.

L 113

74-24 DimondDuo1124Knows

83-20 Crrtown's Mrgrt1141St

The correct Speed Ratings for this horse, running at $1^{1/8}$ miles, would be 86 and 92.

Look for the Speed Ratings shown for the two **MOST RECENT** GOOD RACES THE HORSE HAS RUN. These are not necessar-

SPRINT RACE continued

ily the highest Speed Ratings in the column. A "good race" is

defined as one in which the horse finished 1st, 2nd or 3rd OR finished less than 3 lengths behind the leader.

The left circled column is the one you've already used to get FINISH POSITION and LENGTHS BACK AT FINISH. Start at the top and read down this column until you find the most recent good race: a 1st, 2nd, or 3rd place **or any** finish when the horse was less then 3 lengths back. When you find a good race, look over to the right in that line and enter the Speed Rating. Press the left [SPD.RTG.].

This sprint horse's first good race was the last one, when he finished second, a half-length back. His previous good race was the third back, when he finished second, one length back. So the "best race" Speed Ratings are 92 and 91.

					115		\$ 130,348	Wet	6	
4 3	21/2	Gryder A T	Lb	114	13.90	92-14 Bi	gjewel111 1 Fo		ion11	41
44	433	Santagata N	Lb	115	4.30	84-14 Cm	ndenHrbor116	NusetFist	1163	Hi
313		Santagata N	Lb	116	7.80	91-12 M1	trnch1161For	sRflcton1	1611C	th
713	7221	Santagata N	Lb	112	30.90	71-12 Ro	ylNnj1171 3 Gr	oscr115nkS	ovrqi	nJ
9 93	913	Santagata N	L b	115	26.60	79-07 My	Frnchmn 115	Shlly'sCh	rmr1	15
56	55 <u>1</u>	Fires E	Lb	116	7.40	Lre	oy'sRgISn114	6qTdK.120	2 50S	m'

When you find the second **MOST RECENT** good race, punch in its Speed Rating and enter it with the right [SPD. RTG.].

A SPECIAL WORD ON SPEED RATINGS

DAILY RACING FORM Speed Ratings are accompanied by a "track variant." When entering numbers in the Horse Race Analyzer, just ignore this variant.

If you find that the 2 most recent good races had the same Speed Ratings, use them both for Speed Rating entries.

If there is only one "good race," use that Speed Rating twice. If there were **no** "good races," use **30** for both Speed Ratings.

NOTE: The RACING FORM has recently added Speed Figures to the Past Performances. These differ from the traditional DAILY RACING FORM Speed Ratings. The tested Horse Race Analyzer formula is based on the FORM's pure Speed Ratings, not the Speed Figures. Should the more experienced handicapper want to experiment with the new Speed Figures instead, we suggest utilizing them as described on pages 18 and 19.

Moving on...

When you've entered two Speed Ratings you've finished the programming for one horse. If there are more horses to analyze for the same race, press <code>NEXT</code>. The computer will store its rating for the horse just completed, and is ready to accept the numbers for the next one. The display will read POST POSITION (remember, PURSE and TODAY'S DISTANCE need to be entered just once for each race).

20

GETTING THE HORSE RACE ANALYZER RATINGS

Enter all the numbers for a race. When you've punched in the data for all the horses, you can get the Horse Race Analyzer ratings for the top 4 competitors by pressing ANALYZE four times. The first message will show you 5 numbers: the post position and rating for the top horse. The second message will give you the second-best horse, and so on.

Each time you press ANALYZEI, write down the numbers you see so you'll have a written record to refer to when you make your final choices. The fifth time you press ANALYZEI the display goes blank, and when you press that key again the series of 4 ratings for that race will start to recycle.

After you've recorded all the Post Positions and ratings, turn the Horse Race Analyzer off to clear all data in its memory before you start entering numbers for the next race. Ratings will generally range from 125-500. The higher the rating, the better. All ratings are relative to each other only in each particular race.

Note: In rare instances, you might find ratings which, for example, read 04-050, or 10-014. These ratings indicate that the horse in the post position involved (4 or 10, in the above example) has not been rated for failing to meet certain handicapping criteria in the program. All ratings below 100 are equal, that is they are all equivalent to zero, or no rating. (This situation most arises in stakes races with abnormally high purses, in which case the race is unpredictable by the Horse Race Analyzer.)

LET'S TRY IT (PRACTICE EXAMPLES)

The best way for you to get familiar with the Horse Race Analyzer is to start working with it, using actual data. Try to go through the whole program now by handicapping GEMS FOR SALE. Here's the **Daily Racing Form** information on this horse. The race was on January 11, 1989, with a purse of \$15,000. GEMS FOR SALE was slated for Post Position 4. Length of race: 11/16 miles.

Gems For Sale	Ch. g. 7, by T V Commercial—Gee : \$16,500 Br.—Lotsoc Farm (NJ Tr.—Dufford Daniel A	Sparkler, by Bryan G }	Lifetime 1988 15 1 1 3 \$14,413 115 61 5 6 10 1987 14 3 1 3 \$26,889 \$69,268 Turf 6 0 0 0 \$900
30Dec88- 2Med fst 14:463/s 1:11 1:4	44 3+Clm 12500 1 7 77⅓ 74¾ 53 33¾ [DeCarlo C P 117 *3.50	79-10 Boris 1131 Vanport 11531 Gems For Sale 1171 Steadied 8
17Dec88- 4Med fst 12:471/s 1:11/s 1:4	434/ ₅ 3 + Clm 10500 2 5 55 32 2hd 111 [DeCarlo C P 113 9.00	84-12 Gems For Sale 11313 Vanport 11553 Deity Dash 110nk Driving 11
12Dec88- 8Med fst 170 :48 1:123/s 1:4	412/ ₅ 3+ S A w 23000 2 6 623 641 43 443 F		84-20 Our Kingdom 113noTroupeTrain1144}FlyingTrouble119nk Late bid 6
29Nov88~ 7Med fst 1 :47 1:114/s 1:3	38 3 ∔Ālw 5000s 7 7 87≨ 88≨ 62≨ 41≨ F	Ferrer J C 115 27.30	83-14 Mortgage Man 1173 Shear 1151 Code Won 110nk Rallied 9
11Nov88- 2Med fst 14:47% 1:12% 1:4	143 ⁄5 3+[5]C∤m 6000 1 4 43∮ 31 2hd 2nk [80-15 SirLiseene114nkGemsForSle11331AlltheNumbrs11313 Just missed 8
210ct88-10Medsly 1表:47% 1:11% 1:4	461∕s 3 + SiCim 5000 11 10 816 616 38 34½ [68-19 Belvidere 1173 You Gem 11433 Gems For Sale 11513 Belated bid 11
10ct88- 2Med fst: 12 :464 1:11/5 1:4			72-15 Belvidere 11313AlltheNumbers11553SmartStepper106hd No factor 9
10Sep88-10Med fst 170 :461/s 1:113/s 1:4			81-13 Le Mouse 1101 Abbey Grange 115 Quadradical 1042 No factor 10
25Aug88- 2Mth my 1 :481/s 1:132/s 1:3			68-21 Klassy Serenade 11521 ElMaestro11331 Topofthe Star115no Rallied 8
11Aug88- 6Mth fst 170 :463/s 1:111/s 1:4			69-18 Wiles Road 1144 Leopold I 11324ReflectNeutrality1153 Slow start 9

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If you need help, all the key entries for this horse appear on the following page. If you enter the program correctly, the Horse Race Analyzer will give you this display when you finish: 0 4 2 1 3

GEMS FOR SALE Program

DISPLAY	NUMBER KEYS	ENTRY KEYS	<u> </u>
PURSE	15000	PURSE	
DISTANCE	2	DIST	
POST POSITION	4	P. POSN.	
DAYS AWAY	12	DAYS	
RACES SINCE LAYOFF	9	R.S.L.	
CURRENT YEAR/RACES	15	RACES	
CURRENT YEAR/WINS	1	WINS	(GEMS FOR SALE program
CURRENT YEAR/PLACES	1	PLACES	continued on next page)

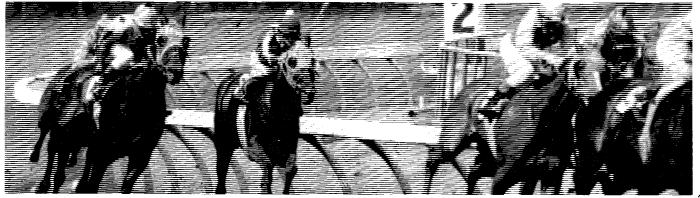
			(continued from	
CURRENT YEAR/SHOWS	3	shows	GEMS FOR SALE progra	am)
CURRENT YEAR/EARNINGS	14413	EARNINGS		
PAST YEAR/RACES	14	RACES		
PAST YEAR/WINS	3	WINS		
PAST YEAR/PLACES	1	PLACES		
PAST YEAR/SHOWS	3	SHOWS		
PAST YEAR/EARNINGS	26889	EARNINGS		
LAST RACE/DISTANCE	2	DISTANCE		
LAST RACE/LENGTHS BACK/1ST CALL	7	L.E.B. 1st		
LAST RACE/LENGTHS BACK/2ND CALL	4	L.E.B. 2nd		
LAST RACE/LENGTHS BACK/3RD CALL	3	L.E.B. 3rd		24
LAST RACE/FINISH POSITION	3	FIN. POSN.		
LAST RACE/LENGTHS BACK/FINISH	3	L.E.B. FIN.		
2ND RACE BACK/DISTANCE	2	DISTANCE		
2ND RACE BACK/LENGTHS BACK/1ST CALL	5	L.E.B. 1st		
2ND RACE BACK/LENGTHS BACK/2ND CALL	2	L.E.B. 2nd		
2ND RACE BACK/LENGTHS BACK/3RD CALL	0	L.E.B. 3rd		
2ND RACE BACK/FINISH POSITION	1	FIN. POSN.		
2ND RACE BACK/LENGTHS BACK/FINISH	0	L.E.B. FIN.		
3RD RACE BACK/DISTANCE	2	DISTANCE		
3RD RACE BACK/LENGTHS BACK/1ST CALL	2	L.E.B. 1st		
2 BEST SPEED RATINGS/OF LAST 5 RACES	84	SPD. RTG. (Id	eft)	
	84	SPD. RTG. (r	ight)	25

As you know, GEMS FOR SALE ran in a Route race. Just to make sure you can use the Horse Race Analyzer for a shorter distance race, go through the program for MANHATTAN QUEEN, running in a Sprint race. This race was on October 28, 1988, with a purse of \$11,000. MANHATTAN QUEEN was slated for Post Position 1. Distance: 6 furlongs. Correct entries are on next page.

Manhattan Queen	BrMeadowbr	ervescing—Manhattan Doll, ook Farms Inc (Fla)	1988 4 1	
OwnOlivier Robin			1987 4 1	0 1 \$12,775
•		5 4 \$58,310	C Maria Maria	or . O Matthewise
150ct88-9BM 6f :221 :453 1:111ft		Warren RJJr 7 (§) 12500 83-23		
29Sep88-7BM 6f :223 :452 1:101ft	7e 118 631 643 651 541	Hansen R D 3 (F) 25000 84-15	RiverBelle, Mdon	nBlu,Synchronous 9
10Sep88-9BM 6f :221 :444 1:092ft	3 118 54 67 3 68 3 59	Warren RJJr 3 @ 32000 83-13	Lady Tascha, Mdo	nnBlue,CoffeeRoll 7
1Sep88-8BM 6f :23 :46 1:104ft	3 116 2hd 2hd 1½ 1nk	WrrenRJJr 1 PAw 17000 85-17	MnhttnQueen,Gr	etInvdr,LoopDLoo 6
10ct87-6BM 6f :222 :452 1:094ft	3½ 118 45½ 43½ 34 34	Lambert J 3 PAw19000 86-19	Sweepy, Kurbstor	re ManhattnQueen 7
15Sep87-9Bmf 5½f:212 :443 1:024ft	9-5 115 541 54 441 451	Schacht R 5 (Aw 16000 92-14	MissPso,SprklPlr	ntyToo,Codx'sBrid 6
25Mar87-4GG 6f :213 :443 1:092ft	*21 115 23 211 11 14	Warren RJJr € (F) 32000 92-18	MnhttnQun,Swift	tVictrss,DiffrntTim6
26Feb87-8GG 6f :213 :44 1:091ft	15 116 431 441 451 532	WrrenRJJr 4 PAw 19000 89-12	DealEmStright,P	risinLce,Blimondy 5
8Jly86-11Sol 6f :221 :45 1:102ft	43 120 45 79 66 65 65	SchchtR 2 PR Fairfield 85-22	Chnngo'sAlb,Oly	mpcClssc,BrgnFun 7
6Jun86-6GG 5½f:211 :444 1:033ft	11 114 87 66 3 32 12 2	Schacht R 3 (Aw 17000 93-13	MnnttnQun,Good	FrndShp,Drmscll 12
Oct 9 BM 5f ft 1:02 h Se	p 21 BM ① 4f fm :522 h (d)			

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The correct display you should get when you finish is: 0 1 2 7 5



MANHATTAN QUEEN Program

DISPLAY	NUMERIC KE	EYS	
PURSE	11000	PURSE	
DISTANCE	1	DIST	
POST POSITION	1	P. POSN.	
DAYS AWAY	13	DAYS	
RACES SINCE LAYOFF	4	R.S.L.	
CURRENT YEAR/RACES	4	RACES	
CURRENT YEAR/WINS	1	WINS	
CURRENT YEAR/PLACES	1	PLACES	
CURRENT YEAR/SHOWS	0	shows	28
CURRENT YEAR/EARNINGS	12075	EARNINGS	
PAST YEAR/RACES	4	RACES	
PAST YEAR/WINS	1	WINS	
PAST YEAR/PLACES	0	PLACES	
PAST YEAR/SHOWS	1	SHOWS	
PAST YEAR/EARNINGS	12775	EARNINGS	
LAST RACE/ DISTANCE	1	DISTANCE	
LAST RACE/LENGTHS BACK/1ST CALL	4	L.E.B. 1st	
LAST RACE/LENGTHS BACK/2ND CALL	2	L.E.B. 2nd	
LAST RACE/LENGTHS BACK/3RD CALL	0	L.E.B. 3rd	
LAST RACE/FINISH POSITION	2	FIN. POSN.	(MANHATTAN QUEEN program
LAST RACE/LENGTHS BACK/FINISH	0	L.E.B. FIN.	continued on next page)

BACK/3RD CALL 2ND RACE BACK/FINISH 5 FIN. POSN. 2nd RACE BACK/LENGTHS 4 L.E.B. FIN. BACK/FINISH 3RD RACE BACK/DISTANCE 1 DISTANCE 3RD RACE BACK/LENGTHS 4 L.E.B. 1st BACK/1ST CALL 2 BEST SPEED RATINGS 83 SPD. RTG. (left) 85 SPD. RTG. (right) 3	2ND RACE BACK/LENGTHS BACK/1ST CALL 2ND RACE BACK/LENGTHS BACK/2ND CALL 2ND RACE BACK/LENGTHS	3 4 5	DISTANCE (continued from MANHATTAN QUEEN L.E.B. 2nd L.E.B. 3rd	
BACK/FINISH 3RD RACE BACK/DISTANCE 1 DISTANCE 3RD RACE BACK/LENGTHS 4 L.E.B. 1st BACK/1ST CALL 2 BEST SPEED RATINGS 83 SPD. RTG. (left)	2ND RACE BACK/FINISH	5	FIN. POSN.	
3RD RACE BACK/LENGTHS 4 L.E.B. 1st BACK/1ST CALL 2 BEST SPEED RATINGS 83 SPD. RTG. (left)		4	L.E.B. FIN.	
BACK/1ST CALL 2 BEST SPEED RATINGS 83 SPD. RTG. (left)	3RD RACE BACK/DISTANCE	1	DISTANCE	
		4	L.E.B. 1st	
85 SPD. RTG. (right) 3	2 BEST SPEED RATINGS	83	SPD. RTG. (left)	
		85	SPD. RTG. (right)	30

MAKING YOUR FINAL CHOICE

With some practice, you will soon become comfortable with all the keys and codes of the Horse Race Analyzer™. Follow the steps outlined on the previous pages and you can get a numerical rating for the top four horses in a given race.

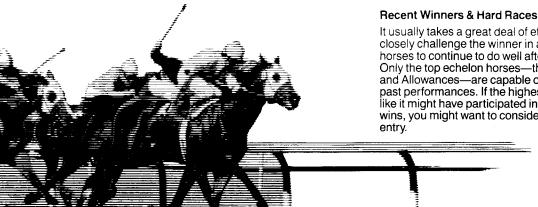
Now, how do you utilize these ratings? Obviously, you can take the top choice every time and forget the rest, but you might want to increase your chances of picking first, second or third place finishers. For more consistent success, you should look deeper into the world of handicapping.

After you have analyzed a few races, you will notice that ratings for the top horses within a race may be widely separated or can be close. With experience you will begin to see differences in the characters of the races. When the ratings by the computer for the for the top four horses are clearly separated, they signify a field of

differing ability. In such a situation, your selections seem clearly indicated. When the ratings are closer together, the horses may show similar promise. In these situations, you may want to utilize some other handicapping factors to help you make your selections.

In this section we explain some of these factors. Your own evaluation of these factors may help you choose a winner from a cluster group.

Now that you are on your way to becoming a better handicapper, here are those special things to think about. Whether the ratings are clearly separated or particularly if they are not, considering these factors can be an interesting extension to your handicapping and can help you make your final decision.



It usually takes a great deal of effort for a horse to win a race or closely challenge the winner in a race. It is even harder for average horses to continue to do well after two or three close hard races. Only the top echelon horses—those that compete in Stakes Races and Allowances—are capable of winning consistently. Check the past performances. If the highest rated horse in your race looks like it might have participated in too many recent good hard tries or wins, you might want to consider the second, third or fourth rated

Gr. g. 3, by Pass the Tab-Sensible Miss, by Speculating **Spectabuleaux** Br.-Lothlorn Farms Inc (Miss) 1988 7 2 0 1 \$7,068 Own.--EdwardLarryD&HindmanBob \$10,000 1987 6 1 1 0 \$4,732 Tr.—Edwards Larry D Lifetime 13 3 1 1 \$11.800 7500 77-21 Spctbulux,OnToThBst,KissthSwiss 11 7Apr88-50P :462 1:123ft *6-5 120 651 451 211 111 Day P 3 21Mar88-20P 6f :221 :462 1:121ft *4-5 114 3nk 2hd 13 17 Day P 4 7500 79-23 Spectabuleaux Tony Wheels, Hapsun 9 5Mar88-20P 6f :222 :462 1:123ft 861 641 541 413 Bailey J D 9 6 115 8000 75-18 Notmtwst, ThGrtVldz, Dntrttimycg 12 24Feb88-50P 6f :222 :464 1:124ft 7 115 751 66 35 32 Bailey J D 9 8000 74-21 QuarticJoy, Mr. Mtinee, Spectbulux 12 531 541 56 781 10000 64-28 Hail for All, Just Told, Quick Qui 11 2Feb88-20P 6f :222 :464 1:132ad 91 116 Bailey J D 2 13 119 32 52 654 510 Borel C H 2 12500 47-27 DocRowell, Plesur Img, Tin Doubloon 9 24Jan88-5F G 14:482 1:152 1:51 sv 6.Jan88-1FG 6f :222 :463 1:133ft 7 119 75 76 65 943 Perrodin E J 2 12500 72-24 Long Knocker, NativeKline, Alioto 12 6Jan68-Away slowly. 6f :222 :463 1:124ft 37 119 651 86 46 56 Perrodin E J 2 20000 75-20 TizComic, Timely Mc, BoldRequeter 11 17Dec87-3FG 68 1085 84 87 89 711 Marsh W A Jr 5 15000 72-19 Avenger G., Brilliant Talent, Es I Dee 10 4Dec87-6FG 6f :222 :463 1:122ft 31 43 44 791 Walker B J Jr 6 25000 65-28 Itsagas, Dr. Clem. Talking Cool 160ct87-6LaD 6f :223 :461 1:132ft 15 120 Feb 21 OP 5fft 1:04 b

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SPECTABULEAUX ran two very good races in his last two outings. He had tried to come from behind the two races prior, barely missing. He received a high rating because of these efforts and other factors.

Although SPECTABULEAUX is a good horse, he's probably a tired horse, which he proved by running out of the money.

Maiden Winners

Horses that have just won a maiden (first) race might have higher than normal ratings which belie their true value. This is because a horse which has just won its maiden race has beaten only other horses of unestablished quality. While maidens can beat more experienced winners on occasion, you might want to consider the second or third rated selection, if either of these is a more experienced 3 year old horse.

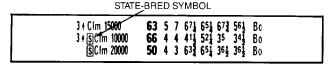
Crafty Ike Ch. c. 3, by Crafty Prospector—Great Nation, by Great Sun Br.-J I Racing Inc (Fla) \$24,640 Own.-Iselin J H Tr.—Iselin James H 1987 4 M 0 2 \$2,695 Lifetime \$27,335 12Feb88-4Aqu 170 :4831:1441:454m 1hd 1nk 351 21 Santagata N5 Mdn 71-26 Crafty Ike, Torvill, Fancy Raja 15Jan68-6Agu 14 1:472ft 3 1175 64 541 451 4103 Peck B D6 Mdn 61-19 FluorescentLou RiseTheHt.LJzzHot 9 3.Jan68-1Agu 14 1:4941:1531:49 ft 4 1175 331 221 321 211 Peck B D1 Mdn 62-24 HodgesBay, CrftyIke, ProfitbyEntry 6 6f :223 :463 1:122ft 31 43 541 341 681 610 611 715 100ec87-4Pha 3 122 Gavidia W7 Mdn 74-25 HurriSugr, GulfstremPilot, CrftyIke 12 25Nov87-3Med 6f :22 :451 1:103ft *8-5 118 Krone J A Z Mdn 74-15 ChraetheCstle.DncOnFir.HurriSuar 8 13Nov87-6Med 6f :223 :46 1:11 ft 41 118 2hd 211 21 33 Mdn 84-16 Larry'sLuck, Mideast Dncer, Crfty Ike 9 Santos J A7 130ct87-7Med 6f :222 :461 1:12 ft *3-2 118 751 751 711 7131 Santos J A10 Mdn 69-22 EnoghRity, FlorscotLo, YoGotTHrr 10 Mar 2 Bel tr.t 6f ft 1:17 b Feb 26 Reitr t 31 ft : 363 b Feb 8 Bel tr.t 1 ft 1:49 b Feb 1 Bel tr.t 6f ft 1:14 h

In the above example, CRAFTY IKE was a maiden winner in his last race — after six unsuccessful tries. Now he is entered in an Allowance Race, a move up in class. The Horse Race Analyzer gives him a high rating as a result of his recent victory. However, CRAFTY IKE ran out of the money in his Allowance.

State-Bred Races

Most racetracks offer one or two races a day restricted to horses bred in that particular state, and with the exception of Kentucky, California, and Florida (the top states in the breeding industry), state-bred competition is generally inferior to races in which horses born anywhere (open company) are eligible. State-bred races are indicated in the Past Performances with the symbol | s |.

As with the maiden example, above, horses running primarily in state-bred races may get higher than normal ratings, which would belie their true value in open company. Therefore, when you find these types running in open company, they should be downgraded in your handicapping. When they return to a state-bred race, running against other state-bred horses, the ratings apply as calculated.



Track Bias

Track Bias is the tendency of a track to consistently favor the running style of certain groups of horses. Perhaps the front-runners seem to do better than is warranted, or maybe the come-from-behind entries win more often. This varies from track to track, and even seasonly or weekly at the same track. The important thing is to look for a pattern, if any.

If among the top horses, you find one that is running with the bias, that horse may have an extra edge. Or conversely, if your

top-rated horse is running <u>against</u> the bias, you might want to consider one of the other top rated horses. You need to carefully check the results charts from your particular track, to determine if a bias exists.

Post Position (Routes)

Most Route Races are run around two turns, thus posing a disadvantage to horses breaking out from the rail in this racing situation. The Horse Race Analyzer™ has compensated for this situation in its computing process. At certain tracks, however, some Route Races are contested around only one turn.* If your selections are being made in these situations, you should upgrade the ratings for horses breaking well out from the rail when evaluating the top rated horses.

For example, Aqueduct, Hollywood Park, Churchill Downs at one mile; Belmont Park all Races up to one and one quarter miles. Check your local track to determine these one-turn routes.

Get a Daily Racing Form and try out the Horse Race Analyzer. As you become proficient at the programming, consider the other handicapping variables. Examine your own reasoning... be flexible! You may develop a secret method of your own to help you make better choices. We wish you all the luck in the world. With the Horse Race Analyzer, you've got a good head start!

CONCLUSION

In addition to the general instructions for using your new Horse Race Analyzer, we have given you some handicapping guidelines that have worked for many people. Consider them when you bring your handicapping efforts to the point of making your final decisions. And think of your Horse Race Analyzer as your private secretary. As you scan the pages of numbers in the **Daily Racing Form**, feed the important figures into your Horse Race Analyzer one by one. It will store and compute for you. It will save you time to build a rational framework on which you can make some thoughtful choices.

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WARNING

The Horse Race Analyzer is intended for purchaser's individual use and enjoyment for educational and entertainment application and is sold with that understanding. It may not be used for commercial purposes. Any commercial use of the brand name or the results of computations by this device, including dissemination orally or in printed publications, is expressly prohibited without the express written consent of Advanced Handicapping Technologies, Inc.

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