

HTR Report
Thoroughbred Handicapping Newsletter
July/August 2007

Brought to you by –
KM Software
Handicapping Technology and Research

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Late News and Tournament Doings

The *HTR Report* newsletter is converted from a Microsoft Word Document to a .PDF file for viewing with the free Adobe Reader. The newsletter may be viewed while on-line or the file can be downloaded to your computer hard-drive for off-line reading and printing.

The newsletter is available bi-monthly. The current edition of the HTR Report is available on the Internet from our members' web site only. The newsletter is included as part of a paid subscription to HTR's monthly download service (\$119/mo).

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*Seminar 2007***HTR Annual Seminar 2007 in Las Vegas**

This is the last reminder for the annual HTR summer seminar 2007. Please feel free to show up at the last minute, there is no need to reserve – we want to see you there – attend any time during the day.

When Wednesday July 25; 10am–10pm (see tentative schedule below)

Where Gold Coast Hotel, Las Vegas (on Flamingo Blvd, right off the Strip, adjacent to the Rio Hotel)

Cost \$40 includes entry in the HTR handicapping contest, pay at the door, no reservations required.

HTR makes no profit from the seminar; all seminar receipts are used for expenses and to compensate our speakers. The remaining funds are used as contest prize money.

We will probably be assigned the same conference room as last year, Salon “A”. It is upstairs in the banquet/convention area. Bring laptop to Donnie’s evening session only. We provide coffee and water in the room, but plenty of breaks provided with facilities near by.

Tentative Schedule

- | | |
|----------------|---|
| 10:00-10:30am | Introductions, preview, annual awards and handout materials. |
| 10:30-12:00am | Q&A with Ron Tiller (HDW), Software Upgrade overview and Robot Upgrade |
| 12:30- 3:30pm | Advanced Handicapping Topics with Ken Massa
New perceptions on Pace & Speed, Trainer and Pedigree
Overcoming the Time Warp of Intense Analysis
Annual HTR Seminar Handicapping Contest |
| 4:00pm –5:00pm | Tournament Session anchored by Mel Moser |
| 5:45pm-10:00pm | Export HTR / Access db with Don Nadermann
Come early with your laptop for prep and software installation.
<i>Contact Donnie if you have any material you would like him to cover</i> |

Helpers: Ernie Logsdon and Rick Bush

Tournament

The Summer Gold Coast tournament begins the day after the seminar and runs through Saturday. It is not necessary to enter this tournament to attend our seminar on Wednesday. The GC tournament fee is \$400/entry. HTR has had enormous success with our seminar/tournament back-to-back including a 1-2 finish last year by John Buckley and Gary Brous winning over \$100,000 between them. We will cover winning strategies and point totals during the seminar.

Hotel Rooms

If you are staying for the Gold Coast tournament call the Coast Contest Line and book your room at the special player rate: 866-566-7223

If you are *not* attending the Gold Coast tournament, but want to stay at the hotel for the seminar only, try booking your room on-line at this website =

<https://reservations.synxis.com/LBE/rez.aspx?Hotel=11290&Chain=5325>

Rates are about \$60/night at the Gold Coast. If you would like an upgrade in quality, there are two excellent hotels within walking distance: *The Rio* and *The Palms*.

Software Download and Laptops

We will upload the new version of HTR2 a few days before the seminar. It is not necessary to bring your laptop to the morning or afternoon sessions. Handouts and big-screen visuals are provided. Laptop strongly suggested for the evening db session.

Handicapping with HTR
Earnings as Handicapping Factor

Earnings Per Start (EPS) was the key computation used in the earliest computer handicapping software. The Mattel hand-held handicapping calculator and similar devices (circa 1980) required the user to input every horse's lifetime starts and total money earnings from the 'money box' in the Racing Form. It was the perfect factor for a simple computer program as there were few ties and the final calculated EPS was never in dispute. It was the fastest and simplest method to assess class on the fly.

EPS was one of the primary factors used in the earliest versions of our (K) rating. It didn't take long to recognize the flaws with EPS though. For example: lightly raced runners and FTS in maiden races were devalued completely in favor of chronic losers that were piling up 2nd and 3rd place finishes and lots of earnings, but never won. I recall my test results back then were always disappointing with EPS, probably below 0.85 ROI with 20%-25% winners. I discontinued using it around the year 2000.

Today the ROI for Lifetime EPS produces returns that are below random expectation (see test results below) and has little value for handicappers. There are considerable problems with comparing purse earnings to determine class separation these days →

- State-bred incentives provide considerable extra income in most locations to horses that would be unable to compete in similar class with "open" company.
- Slot tracks pay lucrative extra purse money to even the cheapest horses, often paying down below the traditional 5th place finish – rewarding mediocrity.
- 2yr and early 3yr purses are inflated to attract good young stock. Large 2yr purses reward early precocious sprinters in short dashes. This has a detrimental effect on thoroughbred breeding in North America and fewer quality route runners are racing today. As these horses age and eventually drop in class, their lifetime earnings are tilted from the early years.
- Most tracks over pay certain types of races that tend to attract smaller fields such as Msw, Nw2 and minor Stakes. Small field – large purse will lure a few non-contenders to these races looking for easy money.

About 50% of the thoroughbred races in North America do not lend themselves to earnings handicapping at all. Maidens are obviously a poor choice for earnings comparison or EPS calculations. Not only do maiden races not have any horses with a winning purse to their credit, but many entrants will have no earnings yet and can't be reasonably compared. The same is true of any race for young horses (2yr or 3yr) with limited race experience.

Another problem with maidens and earnings as mentioned above is the 'chronic loser' syndrome. Look at this 'money box' example of such a horse.

17 0 –6 –4 \$51,000 (EPS= \$3000)

This runner has competed 17 times without a win, but is making pretty good money for his barn by finishing 2nd and 3rd all the time. These horses tend to have good speed figures as well. The combination of top earnings (and EPS) and best recent speed is an irresistible lure for many bettors and horses like this one often end up the favorite.

Foreign horses present another problem with earnings comparisons. *Equibase* attempts to collect purse and earnings information from foreign sources and compute the exchange rate so we can compare in US Dollars. This can get very convoluted and poses many questions. Are the foreign earnings based on the exchange rate the day the horse won the money or are they calculated after the horse ships to North America? What about earnings from multiple nations over a period of years? Exchange rates can vary dramatically over time and the value of purses from other countries can inflate or deflate and even appear ridiculously low for Graded Stakes in some cases, especially from South America. Foreign purse values are listed on the [PPQ] screen in the running lines, but I don't trust them as a measure of class.

Handicapping with HTR
Earnings as Handicapping Factor

Objective Test Results with Earnings and EPS

The test results below will remove maiden races and races exclusive to 2yr and 3yr. I also excluded races with a purse below \$10,000 to avoid the cheapies and minor tracks that few of us would bet regularly.

Here are the parameters and filters used –

- Older Horses
- Non-Maidens
- All Surfaces and Class Levels
- Purse \$10,000 +
- Data Tested: June 1, 2006 – May 31, 2007

EARN = raw earnings

EPS = Earnings Per Start (Earnings divided by Starts)

Raw Lifetime Earnings (EARN) by Rank

Factor	Plays	Win	ITM	WROI	I.V.
EARN= 1	22386	17%	48%	0.78	1.38
EARN= 2	22385	16%	46%	0.80	1.26
EARN= 3	22378	15%	44%	0.76	1.15
EARN= 4	22346	13%	41%	0.76	1.05
EARN= 5	22069	12%	39%	0.78	0.98
EARN= 6	20547	11%	35%	0.81	0.92
EARN= 7	16782	10%	30%	0.76	0.83
EARN= 8	12076	08%	25%	0.71	0.74
EARN= 9	15640	07%	22%	0.72	0.72

Lifetime Earnings-Per-Start (EPS) by Rank

Factor	Plays	Win	ITM	WROI	I.V.
EPS= 1	22400	22%	53%	0.82	1.75
EPS= 2	22394	18%	49%	0.82	1.45
EPS= 3	22374	16%	45%	0.84	1.25
EPS= 4	22356	13%	42%	0.78	1.03
EPS= 5	22069	11%	38%	0.79	0.88
EPS= 6	20546	09%	32%	0.72	0.71
EPS= 7	16777	07%	27%	0.69	0.62
EPS= 8	12071	06%	23%	0.71	0.57
EPS= 9	15638	04%	17%	0.65	0.44

Analysis

There are very few ties with earnings related data. Both factors correlate well top to bottom in terms of win percent and impact value. In other words, each step of the hierarchy outperforms the next – that's a good sign of a factor that has some value. But with ROI they fail terribly. The very best return produces a – 16% loss.

The returns (ROI) with the top ranks above are similar to betting on favorites. No doubt many top EPS horses are the favorite and the public still tends to bet them. Keep in mind that we are testing the absolute *bread-and-butter* thoroughbreds here – older runners in non-maiden races, most have a clear race history. If EPS were applied to more difficult fields, the results would be even worse.

*Handicapping with HTR***Earnings as a Handicapping Factor**

About 30-years ago, William Quirin tested Earnings in his landmark book *Winning at the Races* (1979). His sample size was paltry compared to what we can test in a few minutes these days, but his results are amazingly similar to the stats listed above. Re: page 125-126 from *Winning at the Races*.

Quirin 1979 Test

Factor	Plays	Win	ITM	WROI	I.V.
EARN= 1	1715	15%	43%	0.60	1.41
EPS=1	1803	20%	48%	0.92	1.82

Analysis

While the ROI is dissimilar with the Quirin research, that can be attributed to the small sample he used at the time and the differences in our data selection. However, despite the passage of time and all the variables mentioned regarding purse inflation these days, the win rates and particularly the Impact Values are remarkably similar. How can it be that data from the late 1970's could compare so closely with results from today? Considering the extent of slot purses, state-bred incentives and greater depth of the 2yr/3yr stakes programs, it seems incredible that the impact would be nearly identical. (The lower win% in the Quirin sample is due to larger field sizes during that era).

It's obvious that the EPS computation has a greater success rate than the raw earnings. I also ran sample comparisons in other categories such as "L365" (last 365-day earnings) and lifetime Turf. The results are similar to the Lifetime category, but in all cases, the EPS was a better approach than using raw earnings. It should be noted that Lifetime EPS did achieve the best win% and I.V. results of every category tested.

Newest version of HTR2 (July 2007) has the best coverage of earnings-per-start (EPS) you'll find anywhere. The information is listed on the [HHR] - or Horse History/Records screen - formerly labeled the "HST" screen. Every horse is rated w/ EPS in five different earnings categories. A blank in the EPS column indicates there is not enough earnings to compute EPS. The EPS shows amounts x \$100 in all cases. Example 32 = \$3200 earned per start, and 348 = \$34,800 earnings per start.

In addition, HX4 export now outputs the EPS and rankings in the Lifetime and 365-day category.

Check the upgrades articles later in this issue for more information on the [HHR] screen.

Summary on Earnings

Earnings and it's superior companion EPS, are still a reasonable method to quickly assess class differences. It's greatest power may be in its simplicity to compute and no-ties comparison. Unfortunately, earnings have limited application to a sizeable minority of thoroughbred races – particularly maidens. But the most discouraging aspect of EPS is the negative ROI.

Your best bet is to look at EPS in context with today's conditions. For example, a horse that standouts with high Lifetime EPS vs. a cheap claiming field could be labeled a "past classer" or "dump off". Something has gone wrong to enter a formerly good earner in such a cheap race. The horse's chances today have far less to do with its earnings than its current physical condition.

*HTR2 Upgrade***Horse History and Records Screen [HHR]**

The [HHR] screen (formerly [HST]) and our daily race files have been updated to include separation with Poly or artificial (“Artf”) surfaces. The entire **HHR** screen has been reformatted to include a more consistent set of data for all horses. The EPS is expanded and made easier to understand. A companion export is available (HX9 – see PDF report) for those that wish to research.

Our Racefiles will be updated beginning about July 10 with new data separation. So you may find discrepancies in the stats prior to this date in categories involving Dirt and Artificial as they were combined in previous files. The Lifetime, 365-day and Turf and Wet records are 100%

EPS (Earnings per Start) columns = Earnings / Starts are shown in each category. The amount shown is to be multiplied x \$100 in all cases (i.e. 107 = \$10,700).

Here are the five categories you’ll find on the updated [HST] screen →

Career

Lifetime record and total earnings from all races.

L365

Record last 365-days only, all races included, this is *not* the same as “Current/Previous Year” shown in other publications but a rotated 1-year snapshot of exactly 365-days.

Track and Surface

Lifetime record at today’s track and specific surface (Dirt, Turf and Artificial are separated).

Distance and Surface

Lifetime record at today’s exact distance and surface. This includes Artificial tracks that are distinct from dirt records. A few distances, such a 7.0f and 7.5f are combined.

Lifetime Surface

Lifetime record on today’s surface. If the user changes the surfaces on the Scratch Screen to “Wet” the lifetime wet-track record will be shown. Otherwise this section is separated by Dirt (fast), Turf and Artificial records according to the scheduled race surface.

All items above can now be exported with a new file: HX9. Please read the PDF guide to HX9 for more information and check for updates on the Export herein and on the bbs.

Previous HTR versions and the New RaceFile

If you are running an older version of HTR2 (any version prior to July 2007) and downloading files after July 10, 2007, there will be minor problems with the HST screen output dealing with artificial (Poly) tracks. But for most dirt and turf races and Lifetime records, there are no issues.

Handicapping with HTR
Layoff Zones - Trainers

In our last newsletter (May – June 2007) we laid out some interesting statistics in six layoff zones. Our new [trainer stats file](#) now includes these layoff groups in the data for the individual trainer. Here is a review →

Zone	Days Off (Layoff)
1	2-10
2	11-20
3	21-28
4	29-65
5	66-165
6	166-999

The data in the last newsletter revealed a new recognition for layoffs with clear evidence for ‘freshening’ with Zones 4-5 and surprising weakness with Zone-1. As expected, Zone-6 had the poorest results. Let’s take a look at how two distinct levels of trainers handle the layoffs.

No one has ever doubted the value of patience when training racehorses. But the top trainers have the luxury of handling the quality stock and are more willing to wait for a proper spot to run their horses for large purses. A ‘hungry’ trainer cannot wait months to race his runners -- there are bills to pay now. So the mindset and pressure to run is much different depending on the financial situation at the barn.

We normally consider our ‘super trainer’ range as TRN (Trainer Rating) > 400, but to gather a larger sample we lowered the minimum to 375 for this test.

Trainer (TRN) = 375+

Layoff	Plays	Win	ITM	WROI	I.V.
002-010	00672	23%	61%	0.73	1.76
011-020	05931	23%	57%	0.81	1.84
021-028	05389	24%	58%	0.85	1.91
029-065	07685	25%	57%	0.87	1.97
066-165	01406	21%	52%	0.78	1.75
166-999	01103	19%	50%	0.77	1.54

Analysis

Almost all ‘super trainers’ excel with their layoff horses. Those impact values (I.V.) above hardly change from one zone to the next; even the long layoff zone (166-999) the results are pretty solid. But the peak area is the “freshening zone” of 29-65 days off with the highest sample size, ROI and I.V. Top barns have the patience and time to pick their spots carefully and they make the most of the recovery time.

As you look at the stats for the weaker trainers on the next page, notice that the sample sizes tend to cluster much larger in the shorter layoff-day ranges. The ‘super trainers’ definitely are waiting longer to run their horses back. Does that mean anything sinister is happening with the *super trainers*, such as drug or steroid usage during recovery times and then a holdout period to dissipate the evidence?

It is certainly possible, as top human athletes and sports trainers have confessed to rotating the drugs during the off-season to bulk up and recover from injuries – and then stop before testing begins. There is a paradox here though, as the purpose of steroids and growth hormones is primarily used as an accelerated recovery agent. Racehorses don’t need to bulk up, but they do need extensive recovery after a hard race. The use of such drugs would facilitate a quicker return to the races, not a longer layoff. The stats above would tend to suggest that the top trainers are allowing their horses to recover naturally.

Handicapping with HTR
Layoff Zones - Trainers

Next chart shows the Layoff Zone results with weaker trainers rated = 050 – 175.

Trainer (TRN) = 050-175

Layoff	Plays	Win	ITM	WROI	I.V.
002-010	05862	07%	27%	0.66	0.57
011-020	28299	07%	27%	0.69	0.64
021-028	16786	07%	26%	0.66	0.64
029-065	17130	07%	25%	0.72	0.61
066-165	05242	06%	21%	0.77	0.55
166-999	03943	05%	18%	0.62	0.45

Analysis

It looks like layoffs are the least of the problems with these trainers. Overall, the impact values and ROI are on life-support for bettors. Notice the 011-020 category has a very large sample, especially as compared to our 'super trainer' stats. A trainer in financial distress is hungry for a win and will return the horse as quickly as a race can be found in the condition book.

I would have expected the ROI to be higher with these poor trainers as the public does not over bet them. Yet it's obvious that they just do not produce nearly enough high-priced winners to offset the lowly win percentage.

Summary

More important than the win% and ROI in these charts is the knowledge that there is a distinct hierarchy among the realm of trainers and thoroughbred success. Top trainers have the resources to remain patient and allow sufficient rest and recovery for their runners. Weaker barns need to keep their stock racing constantly in order to pay the bills -- impacting negatively on the physical condition of the horse.

Upgrade has Layoff Zones per Trainer

HDW has provided us with a great new trainer stats (text) file. Download the Trainer Stats file normally and view the additional data. It includes all the Layoff Zones described above and lots of other great stats that I requested for our users as well as creative items that Ron Tiller from HDW put together. There are additional details on the next page in the upgrade summary.

*HTR2 Upgrade***Trainer Stats and T+J (Trainer Jockey) Screen**

Big updates this year to the trainer information screens. The Trainer Stats (text) download has been expanded. Here are some of the highlights →

- Layoff Zones as described above and in last month's newsletter are shown per the horse's individual days off. For example, if the horse has been off for 24-days the data will display the Trainer's record as "L0 21-28" (Layoff 21-28 days).
- Shipper-records are shown per the trainer moving his horses from one track to another. Example, a horse shipping from Churchill to Belmont will be displayed in the data as: "CD to BEL" record. During a long meet, there won't be many of these as most of the horses are locally raced, but during a circuit transition, such as the beginning of the SAR meet, there will be a lot of interesting trainer patterns with trainers and their shippers.
- Artificial ("A") All-Weather, Poly, Cushion, etc. are designated with "A" when changes are taking place. Such "T to A" (horse moving from a Turf race to a Poly track today) or "J-T Artif" indicating the Trainer + Jockey record on the artificial surface. There are many variations of surface changes and records with artificial surfaces that will be listed in the stats.
- Last Race (LR) effort has several categories →

"LR Win" = horse won it's last start

"LR 2nd" = horse finished 2nd last time

"LR Poor" = horse finished 5th or worse and was 10-lengths or more behind at the finish

That last category ("LR Poor") is interesting in finding out if the trainer tends to turn around a horse with a bad race last time. This brings an entirely new perspective on the issue of 'form reversal' as you can now understand it from the trainer's point of view.

- ML Categories: there are two of them "ML<=2" (MLO 2/1 or less) and "ML>=8" (MLO 8/1 or higher). You'll find some incredible disparities with some trainers with the latter. Here's an example → **ML >= 8 77 01 1% 0.23**

This trainer has a normal 15% win rate with all his runners. Yet with ML 8/1 up, he has been nearly wiped out with just one winner in 77 attempts.

As of this writing (July 7), the Trainer Stats are used in the display screen [Trnr] and computed in the TPG rating only. Future updates may include parsing them for ranked display, export, and individual horse analysis.

[T+J] Screen

The trainer/jockey screen has been expanded and now sorts by the trainer and jockey ratings in two sections with quite a bit more information. Click the [T+J] button from the top right of the HTR2 main screen to view any race.

*HTR2 Upgrade***PL-Modes : Robot : Export****PL-Mode Additions**

Two additional PL modes were added to HTR2 for the July 2007 upgrade. **PL-5** has been slightly adjusted to lean toward selecting an “A” track (All-Weather, Poly, etc.) if today’s surface is also artificial.

PL-6

This new one was built with the “A” tracks in mind. It must select the horse’s best effort from the last 365-days that matches today’s surface exactly. A reasonable match for the distance is also part of the process. If the horse has all dirt lines, but is making its first start on a Poly track, no line will be selected. So expect more blanks, but if you use PL-6 you’ll know that you are getting 100% surface match in every case.

PL-7

This method selects EVERY applicable running line within the last 365-days. Surface/distance/class, nothing matters – it takes them all. This creates an interesting comparison in many cases and negates the necessity of selecting individual paces. Test results have been surprisingly good.

Robot Additions

The Robot has a great new option [LEARN MORE]. Check the updated “Robot User Guide” for additional details. LEARN MORE is two-page ‘data dump’ – not pretty, but useful stats to dig out profits that no one else will see. The new items in the **LEARN MORE** include →

- Individual Month by Month Breakdown
- Individual Distances
- A complete listing and full stats from 80 individual Racetracks
- Clear separation with all the key ML odds categories
- Detailed listing of the Vi spectrum, EPR and Field Size

The main filter sections on the Robot were left untouched so as not to disturb saved spot plays. However, you can save as many as 99 of them now! Two additional Race Filters were added to the drop-down [Race Filters] options: “BF in Race” and “No BF in Race” deals with whether or not a Bad Favorite exists in the race.

Export Additions

There are two new Export Options: HXD and HX9 and few additions to **HX4** (read HX4 PDF update). Be sure to read the new PDF files for each of these options in the HTR Library.

HXD

Organizes all of the HTR factors into groups of 3 items each.

“n” = the rating or numeric factor, such as K= 110 or PAC= 103

“r” = the ranking (1,2,3,etc.)

“d” = differential (or advantage)

If the horse is ranked 2nd or lower in any factor, its differential is shown as a negative number for the difference between its rating and the top rank in the race. If the horse is the top rank (r = 1), the “d” is a positive number indicating its advantage over the next highest rank.

HX9

This one organizes a number of essential records such as Lifetime Record on Turf or Record at Today’s Distance/Surface. Includes earnings so the user can compute any stats desired such as earnings per start in all categories. HX9 also includes complete workout information, including the date, track, distance/surface and time of the workout. Even outputs the number of horses that worked that day and the horse’s rank of those works. Additionally there are some Trainer/Jockey stats. Be sure to read HX9 PDF guide for more.

HTR2 Upgrade
Download Utility

The automatic HTR2 software [Download] utility screen has been updated considerably. It is now quicker, more exact and a few more tracks were added and two-weeks of past dates are available. To access the auto-download screen: click the DOWNLOAD button when you first load HTR2 (before you click the 'eye'). There are many advantages to using the software download utility over the Internet site.

- You are not required to use an Internet browser to access your files. This saves a few steps and quite a bit of time.
- The Download utility has no wait time. Our Internet site requires a “download cart” and Java applet plug-in that is often insufferably slow to load. The auto-download direct from HTR2 instantly acquires your files as soon as you click the button.
- Windows *Vista* users (and other operating systems and various security packages) will not function with the Internet “download cart” and Java. The HTR2 auto-download is 100% safe and won't get blocked by Windows or the security software. Some firewalls will prompt you to *ok* the access, but after you do it once, it should work every time without a hassle.

BTW: We have been unable to figure out how to use the Internet “download cart” with Windows *Vista*. HDW has no solution either. It may prove an impossible hack. Eventually, all computer buyers may end up with *Vista* installed and you will have no choice but to use the HTR2 software download utility to get your files. However, you can download from the Internet archives by right-clicking on the file you want and getting them one at a time. This is a slow manual process – but can be used in a pinch. Luckily, there is so much negative press with *Vista*, that computer sellers are offering XP again!

Track Selection and other Quirks

I added several new tracks to the download utility including PID (Presque Isle Downs). This negates your previous save list and it will crash or go wrong if you try to pull them up in the new version. Simply select the tracks again and SAVE and everything will work fine.

If the download utility hangs up or seems to be stuck in a loop and not doing anything – exit the screen and re-load the HTR2 program. If there is the slightest hic-up with the Internet signal, even one that you would not notice, it will disrupt the utility and require a restart.

Final Comments

The Download Screen is built from 3rd party software plug-in. The plug-in is not a very user-friendly application for programmers and difficult to work with. Consequently, I have been unable to do a lot of things with it that would have made downloading faster and easier. Among these is allowing the user to select multiple dates and file types and download hundreds of files in one batch job. At least the interface is user-friendly, and with the expanded capabilities the download speed has surely improved.

Late Announcements and Reminders

Additional Software Upgrade

You may download an upgrade to HTR2 (July 12, 2007) as soon as you read this. But the entire upgrade is *not* yet complete. Additional items will be unlocked the night before the seminar. Seminar attendees will get a full introduction on the “Light Bulb” button. There may be additional features and export expansion as well. A summary sheet of any new information will be provided as an addendum to this newsletter on our web site.

Racefiles Update

As mentioned previously in this text, our daily Racefiles are being updated on July 11 with new information pertaining to “A” Artificial, Poly, Cushion tracks. This is reflected on the [HRR] screen in the horse records and in the HTR2 software upgrade. The PED rating now has additional separate categories for →

Artificial Sprint – Artificial Route

If today’s surface is an “A” – the PED rating is now computed exclusively for that surface. Dirt PED ratings are likewise separated for dirt only. However, the FT rating remains combined to keep the sample size credible. Surface is not as important as precocious tendencies for first timers. The PED and FT ratings for Turf remain unchanged.

HTR Software

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