

**STRENGTHENING
THE INTEGRITY
OF RACING**



2007 YEAR IN REVIEW

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February 2008

Adoption of RMTC Model Rules

The beginning of 2007 marked great progress as the medication committee of the California Horse Racing Board recommended that California adopt stricter penalties for drug infractions, enforce a 72-hour withdrawal period for the bronchodilator clenbuterol and begin to draft rules banning the use of anabolic steroids. Then in May, the Virginia Racing Commission adopted rules that prohibit trainers from administering all anabolic steroids except for boldenone, stanozolol, nandrolone and testosterone, which cannot be used in combination with one another. These anabolic steroids are expected to have threshold levels that will prohibit their use at least 30

days before a race. Indiana became the first state to adopt RMTC model rules for the regulation of anabolic steroids in September, and in October, the New York State Racing and Wagering Board solicited comments on a rule to ban all but the four aforementioned anabolic steroids in Thoroughbred and harness racing.

The Delaware Thoroughbred Racing Commission announced in December that anabolic and androgenic steroids would be regulated by the April 2008 Delaware Park meet. Regulators in Maryland, New Jersey, Pennsylvania and West Virginia also agreed to formulate a uniform plan for regulating anabolic steroids. Success has continued into 2008 as Illinois began the new year by adopting RMTC model rules approved by the Association of Racing Commissioners International (RCI).



Research Projects in 2007

“Determination of a reporting level of procaine”

P.I.: Dr. Cindy Cole, University of Florida — \$59,122

The purpose of this study was to develop a method for procaine detection in equine plasma and use that method to determine a plasma concentration of procaine that would identify a five-day withdrawal period for procaine penicillin treatment, and to detect the illegal use of procaine block during a race. Data gained from this study could allow the development of a model rule that would prohibit the use of procaine as a local anesthetic, yet allow the administration of procaine penicillin much closer to raceday than the 30-day withdrawal time in place in several jurisdictions. This study has been completed and was published in the May 2007 edition of the *American Journal of Veterinary Research*.

“Effects of pre-race administration of Amicar on EIPH”

P.I.: Dr. Eric Birks, University of Pennsylvania — \$45,324

Exercise-induced pulmonary hemorrhage (EIPH) is thought to be a major cause of reduced performance in racehorses. The diuretic furosemide is approved for use on race-day with the intent of trying to reduce the incidence/severity of EIPH. From a practical perspective, horses treated with pre-race furosemide are known to perform significantly better in terms of winning percentages, finish order and a number of other measured parameters. Aminocaproic acid (Amicar) represents one of the most common auxiliary treatments to be utilized in conjunction with furosemide. This study is complete and will provide the RMTC and regulators with objective data to make a regulatory decision on whether these are appropriate raceday medications.

“The existence of a high-quality scientific research program is critical in order to solve the issues that the racing industry faces with regard to medication.”
-Dr. Scot Waterman



8,624 licensed horsemen, veterinarians and racing officials have visited the withdrawal times section of rmtcnet.com since its inception in March 2007!

Research Projects in 2007, Continued

“Detection of the cone snail toxin ziconotide in equine serum”

P.I.: Dr. Rick Sams, University of Florida — \$96,984

The primary objective of this proposal is to develop a validated method to detect the omega-conotoxin MVIIA, also known as ziconotide, in equine serum. At the time of funding, no method existed to identify the presence of cone snail venom in post-race samples. Successful completion of this project would provide racing chemists with a method to do this. There continue to be rumors surrounding the use of this product in racing to kill pain in horses. A method to detect the substance would allow the industry to know whether these rumors are reality or perception.

In specific Aim 1, which is complete, we developed and validated a high performance liquid chromatography-mass spectrometry method to detect the omega-conotoxin MVIIA in equine serum, to which the snail toxin has actually been added. In specific Aim 2, we will administer the omega-conotoxin to horses intravenously, over a nerve, and into a joint and collect serum samples at predetermined time points after dosing. We will then use the previously developed method to detect the presence of the snail toxin in the collected serum samples. This will allow us to determine how long after the different modes of administration the toxin remains detectable in the serum.

Other 2007 Research Studies Include:

- **“Identifying poppy seed contamination in the horse by LC/MS”**

P.I.: Dr. Kenneth Peck, Texas Veterinary Medical Diagnostic Laboratory — \$43,620

- **“Determination of ethanol in the breath and blood in horses following low doses”**

P.I.: Dr. Scott Stanley, University of California-Davis — \$30,771

- **“Efficacy of furosemide in treatment of EIPH”**

P.I.: Dr. Paul Morley, Colorado State University — \$43,500

- **“Can conjugated estrogens and aminocaproic acid reduce EIPH?”**

P.I.: Dr. Howard Erickson, Kansas State University — \$25,000 (funded in conjunction with Grayson Jockey Club Research Foundation & American Association of Equine Practitioners)

- **“Identification of rhEPO from horses”**

P.I.: Dr. Richard Sams, The Ohio State University — \$61,950

- **“Screening of erythropoiesis-stimulating peptides in horse”**

P.I.: Dr. Ashok Singh, University of Minnesota — \$173,620

- **“Screening of erythropoietin-stimulating peptides in horse”**

P.I.: Dr. Ashok Singh, University of Minnesota — \$104,490

- **“Pharmacologically based withdrawal time for clenbuterol”**

P.I.: Dr. Eric Birks, University of Pennsylvania — \$59,692

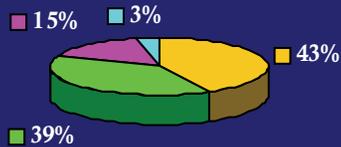
A Year of Progress

- In February, the RMTC board developed model rules on the regulation of anabolic steroids and out of competition testing that the RCI approved in April.
- In March, RMTC launched an interactive withdrawal times directory on the RMTC website for more than 80 therapeutic medications in 19 racing jurisdictions, which was accessed by 8,624 licensed horsemen veterinarians and racing officials in 2007.
- In conjunction with the University of Florida 20-horse research stable and the drug testing laboratories at Pennsylvania, Iowa State, UC-Davis and Florida began research to establish accurate threshold levels and withdrawal time for three anabolic steroids and eight therapeutic medications that cause the most positive lab reports.
- RMTC staff working with RCI and state racing commissions continued to pursue the adoption of RMTC recommendations for stricter, more severe guidelines for penalties for non-therapeutic drug rule violations and uniform therapeutic medication rules.

2007 & 2008 Financial Information

2007 Contributions

■ Organizations
 ■ Tracks
 ■ Horsemen
 ■ Individuals



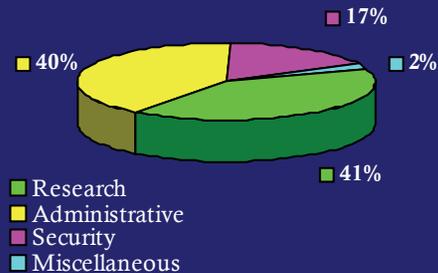
2007 CONTRIBUTIONS

Organizations	\$290,000
Tracks	266,726
Horsemen	103,865
Individuals	22,535
Total	\$683,126

2007 EXPENDITURES

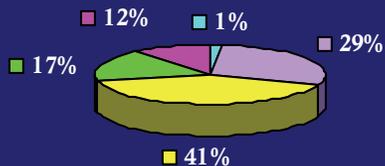
Research & Scientific Grants	\$315,908
Administrative	312,588
Security	130,519
Miscellaneous Expenses	18,831
Total	\$777,846

2007 Expenditures



2008 Expected Contributions

■ Organizations
 ■ Tracks
 ■ Horsemen
 ■ Individuals
 ■ Research Grants



2008 EXPECTED CONTRIBUTIONS

Organizations	\$700,000
Research Grants	500,000
Tracks	300,000
Horsemen	200,000
Individuals	25,000
Total	\$1,725,000

2008 ESTIMATED EXPENDITURES

Research/Scientific Grants	\$965,000
Administrative	435,500
Laboratory Development	250,000
Communications	50,000
Total	\$1,700,500

2008 Estimated Expenses





“We are extremely grateful to our donors for their generous financial support. Without it, our efforts to strengthen the integrity of racing would not be possible.”
-Dan Fick

Outside Donations

CHAMPION

\$2,500 & Up

Delaware Racing Association
Florida HBPA
Virginia HBPA
Charlestown HBPA
Turfway Park
Tampa Bay Downs
Hollywood Park
Mace Siegel
Bill Casner
Barry Irwin

GRADED STAKES

\$1,000-\$2,499

Hoosier Park
J. Michael O’Farrell, Jr.
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Paul Orefice
Jim and Marilyn Helzer
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\$500-\$999

Iowa TBOA
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ALLOWANCE

\$100-\$499

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Frank L. Brothers Racing Stable
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Illinois TBOF

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Dr. and Mrs. James Morehead
Michael Simpson
Cambus-Kenneth Farm, LLC
G W Racing
William Parsons, Jr.
Joe Sample

WINNER

Up to \$99

Barry and Judith Becker
David Kyger
James Winn

***Anonymous Donations = \$18,810**

Visit Our New Website at www.RMTCNET.com



Striving to develop, promote and coordinate, at the national level, policies, research and educational programs that seek to ensure the fairness and integrity of racing and the health and welfare of racehorses and participants, and to protect the interests of the racing public.

Strengthening the Integrity of Racing



About Us

History
Goals & Objectives
Organization
Officers & Staff



Our Work

Withdrawal Times
Model Rules
Research



News

Headlines
Press Releases
Newsletters

Board of Directors

American Association of Equine Practitioners
American Quarter Horse Association
Breeders' Cup Limited
California Thoroughbred Trainers
Churchill Downs Inc.
Del Mar Thoroughbred Club
The Hambletonian Society
Harness Tracks of America
The Jockey Club
Jockeys' Guild
Keeneland Association
Kentucky Thoroughbred Association
Magna Entertainment Corp.
National Horsemen's Benevolence & Protective Association
National Thoroughbred Racing Association
New York Racing Association
Oak Tree Racing Association
Racing Commissioners International
Thoroughbred Horsemen's Association
Thoroughbred Owners and Breeders Association
Thoroughbred Owners of California
Thoroughbred Racing Associations
Thoroughbred Racing Protective Bureau
United States Trotting Association



Big Event Team Appearances

In 2007, the RMTC funded the Big Event Team (BET), which is administered by the Thoroughbred Racing Protective Bureau (TRPB). Since 2005, teams of experienced investigators from TRPB, Standardbred Investigative Services and racing commissions have collaborated with host racetracks to enhance backstretch security for major Thoroughbred, Standardbred and American Quarter Horse races across

the United States and Canada. Teams spend several days at each event providing consultation on best security practices and other investigative services, assisting with coordination and training new security guards.

BET has appeared at these races, among many others:

- Travers Stakes
- Kentucky Derby

- Belmont Stakes
- Little Brown Jug
- Breeders' Cup World Championships
- Los Al Million Champion of Champions
- Hambletonian
- Preakness Stakes

RMTC received widespread praise for the Big Event Team of racing investigators for providing additional security and training at major racing events.

**STRENGTHENING
THE INTEGRITY
OF RACING**

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E-mail: jflint@rmtcnet.com

**Look for our PSA featuring
trainer John Ward!**

Our Mission

The RMTC strives to develop, promote and coordinate, at the national level, policies, research and educational programs that seek to ensure the fairness and integrity of racing and the health and welfare of racehorses and participants, and to protect the interests of the racing public.



Goals for 2008

In October 2007, after five years in the pursuit of development, promotion and coordination of uniform medication rules and enforcement policies, the RMTC board of directors conducted a strategic planning session. Board members examined RMTC's accomplishments, refocused its objectives and established the following goals:

Uniform Rules

- Develop procedures and protocol to ensure scientific accuracy for RMTC recommendations.
- Continue to seek adoption of recommended model rules for uniform penalty guidelines and regulation of anabolic steroids
- Coordination of grassroots efforts for adoption of model rules

Uniform Testing and Accreditation

- Survey drug testing laboratory capabilities and scope of testing
- Establish "best practices" standards for drug testing laboratories
- Promote drug testing laboratories accreditation to ISO 17025/2005 requirements
- Expand quality assurance and blind sampling programs

Communications and Public Relations

- Enhance RMTC to provide timely updates and more educational information
- Publish monthly updates and quarterly newsletters on RMTC activities
- Produce an annual report to the industry on RMTC initiatives and accomplishments
- Develop cooperative communications efforts with racing industry public relations staff
- Communicate results and effects of RMTC research projects

Funding Strategies

- Review funding formula for financial support from tracks and horsemen
- Re-establish funding commitments from racing industry organizations
- Apply for grants from state and federal agencies, and foundations
- Conduct direct mail campaign to request funds from individuals

RMTC Organization

- Establish Scientific Advisory and Scientific Liaison Committees
- Hire Communications Coordinator and Research Consultant
- Conduct monthly executive steering committee meetings
- Invite more broad participation from breeders, owners and track management

**RMTC welcomed Research
Consultant Dr. Bill Muir and
Communications Coordinator Hallie
Roach in November.**