

**STRENGTHENING
THE INTEGRITY
OF RACING**



2010 YEAR IN REVIEW

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AAEP

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Thoroughbred Horsemen's
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California Horse Racing Board

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Dr. Rick Sams

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Hallie Roach Lewis

Executive Assistant:

Rebecca Hills

Spring 2011

A Letter from Executive Director Dr. Scot Waterman



2010 was a year of continual progress for RMTC, marked by the completion of several drug administration studies and ongoing testing developments. In 2009, we shifted our focus from developing and promoting uniform medication policies across racing jurisdictions to several large-scale projects, which have been our primary concentration moving forward.

The RMTC Drug Testing Initiatives Task Force has been working toward drug testing quality assurance and laboratory accreditation to ISO 17025 standards. The successful implementation of this program will improve industry confidence in its laboratory infrastructure and put our labs on par with any in the world. On the research front, our board of directors issued withdrawal time recommendations and plasma thresholds for the short-acting bronchodilator glycopyrrolate, the muscle relaxant methocarbamol and four anabolic

steroids in October. As always, our objective was to provide horsemen and practicing veterinarians with withdrawal guidelines that enable the therapeutic use of these medications without compromising the integrity of racing competition or the welfare of our equine athletes. In response to concerns expressed by the regulatory veterinary community regarding the effects of non-steroidal anti-inflammatory drug administration on pre-race examinations, the RMTC board also revised its recommended threshold for phenylbutazone (permitted at least 24 hours prior to racing) from 5 micrograms per milliliter to 2 micrograms per milliliter of plasma or serum. I hope you will read on to learn about our other efforts in 2010 and what we hope to accomplish in 2011.

I would like to thank our stakeholders and committees for their hard work and dedication in 2010. They have continued to prove that our industry is capable of making significant progress when working together.

Regards,

RMTC Launches Recent Rulings Database in 2010

Until the Recent Rulings Database debuted on www.rmtcnet.com in the spring of 2010, many people depended on the few rulings that make it into the industry or mainstream media for their information, and these reports typically do little to demystify drug positives, leaving people to wonder, "Is this drug potentially harmful to the horse?" or "Does this drug have any purpose in the racehorse?" The racing public has expressed that they want to be aware of testing results and are curious about the roles that various medications have in treating our equine athletes. The quandary is that they do not know how to access that information or, if they do, find it to be loaded with scientific jargon. This predicament often results in fans and even industry participants misinterpreting the available information and developing false perceptions based on rumors and backstretch anecdotes rather than science.

RMTC's first step in addressing this problem was to produce drug descriptions in layman's terms and create a location accessible by the public where these descriptions, all available drug rulings since August 2009, and drug and penalty classification definitions could be examined. The resulting database can be sorted by trainer, date, state or violation and also includes the track, suspension, fine, horse's name and breed, when that information is made available in the official rulings.

Perhaps the most unique aspect of this database is that it provides information on the possible uses and effects of a particular drug in the horse. These drug descriptions will help clarify the difference between medication management mistakes and more serious drug violations. Although this project is only a first step in helping to broaden the information that is available, it will hopefully spur ongoing collaborations with commissions and pave the way for other educational initiatives.



RMTC-Sponsored Programs

RMTC Post-Doctoral Research Fellowship

In April 2010, the RMTC board of directors approved the funding of Dr. Heather DiMaio Knych and Dr. Mary Robinson for a post-doctoral research fellowship program, fulfilling one of the main goals that the RMTC Drug Testing Initiatives Task Force established in 2008. The RMTC committed \$450,000 over three years toward the fellowship program, with the University of California-Davis and the University of Pennsylvania matching the grant.

Dr. DiMaio Knych is studying the pharmacokinetics, clinical effects and biomarkers of corticosteroids in horses, while Dr. Robinson is researching the detection of extracorporeal shock wave therapy usage in the racehorse using biomarkers. Shock wave therapy is prohibited within 10 days of racing; however, there is no recognized method of detecting its use at this time. The research of Drs. DiMaio Knych and Robinson is intended to help the racing industry better regulate corticosteroids and shock wave therapy, which will be a major step in protecting the health and welfare of our equine athletes and the interests of the wagering public.

2010 International Conference of Racing Analysts and Veterinarians (ICRAV)

Held every other year, this conference is the essential forum for stakeholders to address scientific issues confronting the industry. Typically attended by regulatory veterinarians and senior laboratory management and research scientists from racing labs around the world, it encourages and enables international harmonization and coordinated research. Participants exchange information that enables better direction of scientific efforts, and make recommendations to racing authorities around the world. The 2010 ICRAV was held March 7-13 in Queenstown, New Zealand.

AAEP Regulatory Veterinarians Conference

Each year, RMTC sponsors an educational and interactive all-day meeting for commission veterinarians attending the AAEP Annual Convention, a four-day conference which focuses on the latest advances in equine medicine and surgery. This is an excellent opportunity for commission veterinarians to gather in order to exchange information and ideas. Dr. Mary Scollay-Ward, equine medical director for the Kentucky Horse Racing Commission, organized the 2010 meeting held December 3 in Baltimore, Md., and led discussions among the 30 state veterinarians in attendance. The agenda included items such as regulatory veterinary 'best practices', information management and sharing, 2010 drug violations, ELISA testing, and updates from the AAEP Racing Committee and RCI Model Rules Committee.



If you are interested in having an RMTC representative speak at your group's next conference or meeting, contact hlewis@rmtcnet.com

2010 Research Program

Thresholds and Withdrawal Times Announced:

Boldenone (in plasma)
 Nandrolone (in plasma)
 Stanozolol (in plasma)
 Testosterone (in plasma)
 Glycopyrrolate
 Methocarbamol
 DMSO
 Firocoxib

Beginning 20-horse Administration:

Dexamethasone

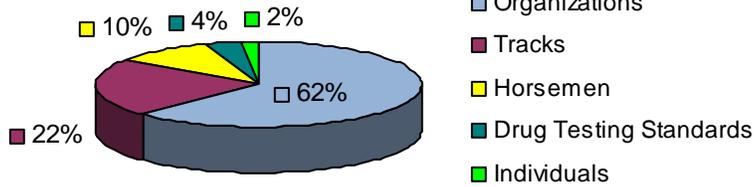
Administration Complete, Sample Analysis Ongoing:

Hydroxyzine
 Dantrolene
 Lidocaine
 Fluphenazine
 Detomidine
 Mepivacaine
 Butorphanol
 Acepromazine
 Pyrilamine



2010-2011 Financial Information

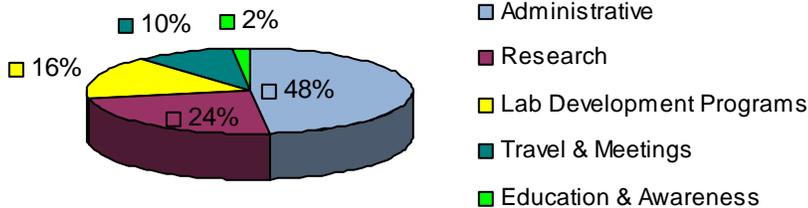
2010 Contributions



2010 CONTRIBUTIONS

Organizations	\$448,340
Tracks	161,553
Horsemen	69,781
Drug Testing Standards	26,842
<u>Individuals</u>	<u>11,175</u>
Total	\$717,691

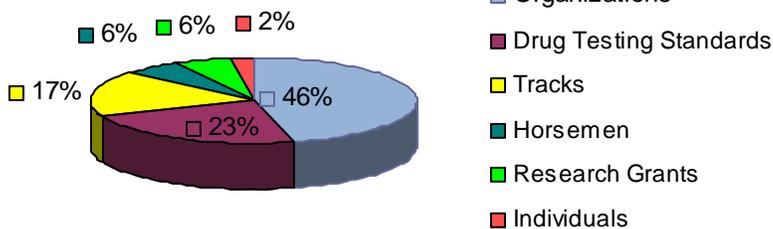
2010 Expenditures



2010 EXPENDITURES

Administrative	\$370,551
Research	185,726
Lab Development Programs	123,742
Travel & Meetings	75,443
<u>Education & Awareness</u>	<u>13,656</u>
Total	\$769,118

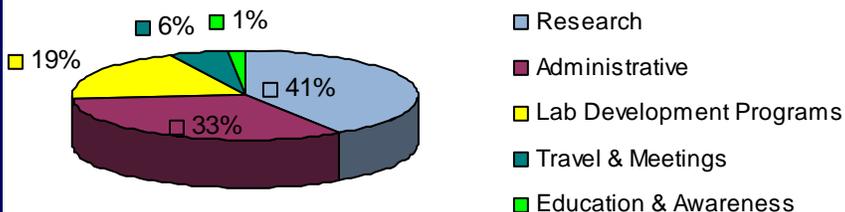
2011 Expected Contributions



2011 EXPECTED CONTRIBUTIONS

Organizations	\$400,000
Drug Testing Standards	200,000
Tracks	150,000
Horsemen	50,000
Research Grants	50,000
<u>Individuals</u>	<u>20,000</u>
Total	\$870,000

2011 Estimated Expenses



2011 ESTIMATED EXPENSES

Research	\$510,000
Administrative	409,500
Lab Development Programs	240,000
Travel & Meetings	70,000
<u>Education & Awareness</u>	<u>20,000</u>
Total	\$1,249,500



Industry Stakeholder Contributions for 2010

American Association of Equine Practitioners
American Quarter Horse Association
Arapahoe Park
Calder Casino & Race Course
Canterbury Park
Churchill Downs Inc.
Fair Grounds Race Course
Fairplex Park
Finger Lakes Racing Association
The Hambletonian Society
Hollywood Park Racing Association
The Jockey Club
Keeneland Association
Kentucky Downs
Kentucky Thoroughbred Association
National Thoroughbred Racing Association
New York Racing Association
Oak Tree Racing Association
Santa Anita Park
Sunland Park Racetrack and Casino
Tampa Bay Downs
Thoroughbred Horsemen's Association
Thoroughbred Owners of California
Thoroughbred Owners and Breeders Association
United States Trotting Association

Individual Contributions for 2010

HALL OF FAMER

\$2,500 & Up

Gary Broad Foundation
Live Oak Foundation

CHAMPION

\$1,000-\$2,499

James E. Helzer

STAKES

\$500-\$999

Equine Medical Associates PSC
Stuart E. Huston

WINNING CIRCLE

\$100-\$499

Cardinal Farm LLC
Dana L. Rocheford
Destinaire Farm
Dr. William D. Fishback Jr.
Lathrop G. Hoffman
Michael Simpson

Neil Drysdale
River Hill Breeders Partners
The Kales Company LLC
Truline Racing & Bloodstock Inc.
William Parsons

OTHER

\$99 and below

John and Sharon Doherty

We greatly appreciate the support we have received from members of the Thoroughbred Owners and Breeders Association!



Photo by Laura Plato

Board of Directors

American Association of Equine Practitioners

*American Quarter Horse Association

Arabian Jockey Club

Association of Racing Commissioners Intl.

Breeders' Cup Ltd.

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 HBPA

National Thoroughbred Racing Association

New York Racing Association

Oak Tree Racing Association

Thoroughbred Horsemen's Association

Thoroughbred Owners and Breeders Association

Thoroughbred Owners of California

Thoroughbred Racing Associations

Thoroughbred Racing Protective Bureau

*United States Trotting Association

*Denotes \$100,000 in funding

RMTC Had A Strong Industry Presence in 2010

RMTC representatives attended:

AAEP 56th Annual Convention

AQHA Racing Conference

European Horserace Scientific Liaison Committee

Fasig-Tipton and Keeneland Horse Sales

HTA/TRA Joint Annual Meeting

North American Racing Academy

National HBPA Summer Convention

RCI Conference on Racing and Wagering Integrity

ROAP Steward Continuing Education Programs

The Jockey Club Round Table

University of Arizona RTIP Symposium

University of Kentucky Equine Law Class

University of Louisville Equine Industry Program

Various state racing commission meetings

Vision 20/20

Welfare and Safety of the Racehorse Summit

You Can Help Strengthen the Integrity of Racing

To continue our efforts to strengthen the integrity of racing, the RMTC greatly needs your support. We welcome your tax-deductible contributions to the RMTC, which relies heavily on individual and industry-wide support. In 2011, we will use funds to continue developing and supporting critically important research on corticosteroids, withdrawal times for therapeutic medications and new tests for prohibited substances.

Contributions can be made by e-mailing your Visa, MasterCard or Discover card information to rhills@rmtcnet.com or by calling RMTC Executive Assistant Rebecca Hills at (859) 224-2844. Credit card donations can also be securely processed through our online contribution page. Simply visit our website at www.rmtcnet.com and click You Can Help!

Personal checks are also welcome.

**Please make checks payable to:
Racing Medication & Testing Consortium
821 Corporate Drive • Lexington, KY 40503**



*The RMTC is a
not-for-profit
corporation and all
contributions are
tax-deductible.*



**STRENGTHENING
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**ATTENTION RMTc BOARD
MEMBERS:**

**The first 2011 board meeting will
be held April 19 in Dallas, TX**

Our Mission

The RMTc strives to develop and promote uniform rules, policies and testing standards at the national level; coordinate research and educational programs that seek to ensure the integrity of racing and the health and welfare of racehorses and participants; and protect the interests of the racing public.



2010 Progress and Developments Summary

Drug Testing Initiatives

RMTc's Drug Testing Initiatives Task Force (DTI) realized significant progress in 2010. The five-part drug testing initiative is aimed at developing laboratory and drug testing standards comparable to the World Anti-Doping Agency (WADA) model. Program elements for 2010 included:

- Subsidization of the Testing Integrity Program and Interstate Drug Testing Alliance, which provide quality assurance samples to racing laboratories
- Finalization of a comprehensive Laboratory Code of Standards
- Receipt of letters of intent from six key racing laboratories to become fully accredited to the RMTc Standards by the end of 2011
- Funding of two post-doctoral candidates for three-year research periods in an effort to develop the next generation of racing laboratory directors

Drug Research

RMTc funds research aimed at developing regulations for commonly used therapeutic medications as well as studies that result in new detection methods for doping agents. In addition, the RMTc serves as a clearinghouse for the analysis of unknown substances acquired by various industry sources. Highlights of the research program for 2010 included:

- Issuance of regulatory recommendations for glycopyrrolate, methocarbamol, firocoxib, DMSO and the anabolic steroids in plasma
- Funding of a study to develop a detection method for the doping agent AICAR in horses
- Funding of a study to assess the possibility of using biomarkers to detect the use of extracorporeal shock wave therapy
- Commitment of funding for an industry-wide program to determine science-based regulations for corticosteroids

Education

RMTc works to educate racing fans and participants on drug testing and medication issues through both personal appearances and an array of digital and print outlets. Initiatives for 2010 included:

- Development of the Recent Rulings Database on www.rmtcnet.com, which aggregates medication violations across the country and provides a layperson description of the drug involved
- Maintenance and updating of RMTc website features such as the Withdrawal Times Database, drug-related headlines, model medication policies and penalties, policy adoption progress maps, educational materials and research summaries
- Maintenance and updating of the RMTc Facebook Page (www.facebook.com/RMTcnet), featuring a discussion board Q&A, links to related news articles and videos, interview announcements and audio files, etc.
- Distribution of the RMTc QUARTERLY newsletter and RMTc brochure to fans, horsemen, horseplayers, tracks and industry management across the country

