



Toxicology Education Foundation

ANNUAL REPORT **2019-2020**

Vision: A public that understands the essentials of toxicology

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Secretariat Address:

4303 Kirby Avenue
Cincinnati, Ohio
45223

Jay W. Gooch, PhD
Chair – Website Content/Marketing
Riffles & Pools Communications LLC

Phone: 513 542 8940
Fax: 513 542 7728
Email: toxedef@gmail.com

About Toxicology Education Foundation

The Toxicology Education Foundation (TEF) is a non-profit charitable 501 (c)(3) foundation whose mission is to enhance public understanding of toxicology through access to objective, science-based information on the safety of chemicals and other agents encountered in daily life. The general public is currently our main target audience but is not the only group to which TEF relates. Our educational materials and initiatives may also be suitable for application in lower or upper grade level classrooms.

We understand that perceptions and personal decisions about chemical exposures can be influenced by many factors beyond known facts and well-substantiated scientific information. It is our goal that the public faced with making choices about chemical exposures has access to reliable information that will help lead them to make better informed decisions.

A few more specific objectives of our current projects:

- Enhance public *awareness* and *understanding* of *fundamental key principles* related to chemical hazards in our homes, workplaces, schools, and general environment. This is vital to ensuring public safety and also promotes sensible decision-making in government about current issues of concern. It also promotes public support for toxicology research and education.
- Provide the general public, through our website, with a broad base of *readily accessible and reliable sources of information* about safety assessment of specific types of exposures that will assist them in making sound, sensible decisions regarding their own potential risks from chemicals, including drugs.

Originally founded by the Society of Toxicology (SOT) as an independent foundation directed by SOT leadership, the Foundation became a wholly independent international charity in 2002. Trustees of the Foundation have been, and continue to be, leaders in the field of toxicology and risk assessment from government, industry, the private sector and academia. The board is international in scope and has included members from the US, Europe, South America and Asia.

Activities for Fiscal 2019-2020 Year

Fundraising

The Fundraising Committee has worked to reach out to potential donors via both traditional mail and email over the last year. The solicitation letter has been updated to reflect recent activity by TEF while also taking a forward looking approach to hopefully inspire folks to support new ideas and directions consistent with TEF's vision. To date, we have sent out several hundred letters and emails and donations have totaled several thousand dollars. The Committee continues to explore new ways to make connections and recognize previous and current donors. TEF also secured a modest government loan of \$10,000 during the COVID pandemic. This loan will not have to be paid back.

Website/Marketing

Website Hosting

The Website/marketing committee moved the website hosting services to a new vendor in order to provide better service and website updating capability to the Committee.

Content Updates

The Committee has been making steady progress with updating existing content and providing new content. Four existing topics have been updated and streamlined (Hazard vs Risk, Occupational Safety and Health, Basics of Dose-Response, What is a GMO?) and four are in current revision (Reproductive and Developmental Tox, Human Health Risk Assessment, Nanotechnology, History of Toxicology). We created and posted two new tox topics (Mixing Cleaners-Just Don't, How Safe is This Drug?) and have three in development (Methanol Toxicity, Threshold of Toxicological Concern, The Dose Makes the Poison, But Just How Much is Safe?). We also maintain a list of potential new topics and invite anyone to submit new ideas for topics.

The Committee is always open to any suggestions for changes to existing content as well.

Social Media

The Committee and the Secretariat have been steadily increasing our posts on our Twitter and Facebook social media feeds. Mike Dourson is actively posting TEF content on Linked-In. As a result we are seeing modest growth in our followers, engagement, and site visits. We are currently exploring additional ways to increase the visibility of our posts.

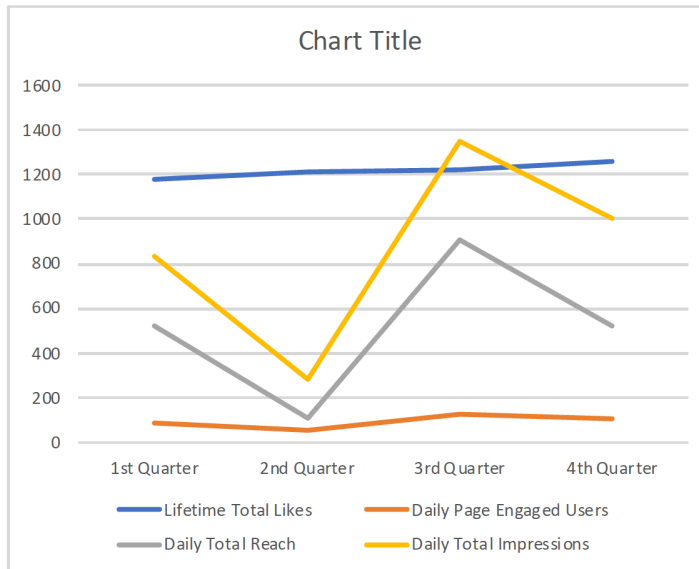
---Twitter Account Summary

	Tweets	Impressions	Profile Visits	New Followers	Mentions
1st Quarter	7	4650	113	11	2
2nd Quarter	1	3149	11	1	0
3rd Quarter	23	4874	81	10	2
4th Quarter	15	3711	42	13	1

---Facebook Account Summary

The chart below gives an overall summary. Note different y-axes.

Date	Lifetime Total Likes	Daily Page Engaged Users	Daily Total Reach	Daily Total Impressions
1st Quarter	1178	87	521	836
2nd Quarter	1213	55	109	283
3rd Quarter	1216	127	907	1348
4th Quarter	1258	103	523	1003



---Linked-in Account Summary

We have tripled our followers in the last year from around 50 of around 150, and routinely send out 1 or 2 post every one or two weeks.

Events

Society for Risk Analysis Annual Meeting

Drs. Michael Dourson and Russell E Savage Jr. traveled to Arlington, Virginia to represent the Toxicology Education Foundation (TEF) at the December 8-12 2019 annual meeting of the Society for Risk Analysis (SRA). The SRA is a multidisciplinary, interdisciplinary, scholarly, international society whose annual meeting provides an open forum for all those interested in risk analysis. In addition to attendance at plenary sessions, workshops and individual risk-specific oral and poster presentations, Mike and Russ sought to provide greater visibility for the SRA audience to the goals and mission of the TEF, to garner additional toxicological expertise and to secure/solicit resource/financial support for the TEF cause.

The key instrument for this task was the TEF exhibition. Strategically located in a heavily foot-trafficked corridor just outside the various session salons, the exhibit featured numerous hand-outs, including donation forms, highlighting TEF activities. The tactical location ensured that nearly all of the 700 meeting participants would be exposed to the TEF exhibit during the three-day meeting. While the exhibit was primarily staffed by Russ and Mike, Drs. Phil Wexler, David Cragin and Bernard Gadagbui (of TERA) also provided spot coverage(s).

The exhibit attracted numerous individuals curious about TEF activities. Such interactions resulted in spirited conversations and verbal (and potential financial) support for TEF undertakings. Two of particular significance were Drs. Roger McClellan and Robyn Wilson. Dr. Wilson is the SRA president-elect and a former colleague of Dr. Savage from his tenure with the Ohio State University College of Public Health. All in all, the interactions, discussions and distribution of TEF materials should be of great benefit to the future of TEF.

International Risk Assessment/Risk Management Course

This future course has been designed to develop all of the skills needed to perform a thorough risk assessment. To perform a meaningful risk assessment many skills are required beyond toxicology and data interpretation. These skills include communications, sample design, team building, project management, and several others. In light of the Covid-19 outbreak, a module has been added which discusses emergency response during an epidemic and the challenges created by that situation. When students complete this class they should have the basic knowledge needed to become part of a risk assessment team and continue to build their skills.

This course will be highlighted on the TEF website and sponsors will be solicited as appropriate.

Pick Your Poison

This was to be a free educational event with toxicologists featuring brief talks, trivia quizzes, and tacos. This event was to be sponsored by the Toxicology Education Foundation and the Southern California Regional Chapter of the Society of Toxicology during the annual SOT meeting. Advertisement included:

Ever wonder what makes a poison a poison? Is your drinking water safe? Is CBD helpful or harmful? Toxicology experts have volunteered their time to help you understand the hazards of chemicals encountered in daily life.

Talks that were to be included were:

- “Overview of Toxicology”
- “Metal Contamination in Drinking Water”
- Environmental Threats and Emergency Preparedness”
- “CBD: Hope or Hype?”

Unfortunately, this event was cancelled due to the pandemic, but stay tuned. We are likely to have a similar, or maybe even the same, event at next year’s SOT meeting.

Future Activities

Attendance at the SRA annual meeting is anticipated along with teaching one or more international courses on risk assessment and risk management. A Pick Your Poison event will likely be scheduled at the annual meeting of the Society of Toxicology that will coincide with the annual meeting of the TEF board. We will also reestablish more formal contacts with like-minded groups such as Mother-to-Baby. Regular social media contact on Twitter, Facebook, and Linked-in will continue with growth in followers to be expected.

Finances

The fiscal year July 2019 to June 2020 was financially difficult. The Secretariat changed hands several times during the late summer and early fall of 2019, and the annual fall fundraising letter was delayed until the spring of 2020. In addition, the COVID 19 pandemic lessened an already smaller income stream. The two bright spot during this time was that TEF applied for and received a US government COVID, small business loan for \$10,000. This loan will not have to be repaid. The second bright spot was that expenses were down for the year due to the turmoil in the secretariat. The overall result of this was a small gain for the year, as shown below.

Budget Report for 2019-2020

Income	<u>Budget</u>	<u>Actual</u>	<u>Difference</u>
Donations	\$25,000	\$18,238	\$6,762
Interest	\$-	\$55	\$(55)
Total Income	\$25,000	\$18,293	\$6,707
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Expenses	<u>Budget</u>	<u>Actual</u>	<u>Difference</u>
Business Expenses: registered agent, insurance, DC biennial report, conference calls,	\$2,009	\$1,790	\$219
Fundraising Committee	\$1,000	\$1,665	\$(665)
Miscellaneous	\$750	\$15	\$735
Rental	\$-	\$2,750	\$(2,750)
Secretariat	\$15,000	\$9,973	\$5,027
Trustee meeting	\$850	\$-	\$850
Website Hosting	\$85	\$280	\$(195)
Website/Marketing Committee	\$2,000	\$688	\$1,312
Total Expenses	\$21,694	\$17,161	\$4,533
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Gain/Loss	\$3,306	\$1,132	\$2,174

Budget for 2020-2021

The board-accepted budget report for the fiscal year July 2020 to June 2021 is shown below.

Toxicology Education Foundation
Budget 2020-2021

Income	Yearly	Monthly
• Donations from Trustees	\$1,000	\$83
• Donations from Groups	\$15,000	\$1,250
• Donations from Others	\$9,000	\$750
• Contracts	\$-	\$-

Toxicology Education Foundation

Total Income	\$25,000	\$2,083
Expenses		
Business Expenses	\$210	\$18
Dixon Award	\$-	\$-
Fundraising Committee	\$1,000	\$83
Insurance	\$1,700	\$142
Legal and Professional Fees	\$100	\$8
Miscellaneous	\$750	\$63
Rent	\$3,000	\$250
Secretariat Fee	\$15,000	\$1,250
Subcontracts	\$-	\$-
Trustee Meeting	\$1,000	\$83
Website Hosting	\$85	\$7
Website/Marketing Committee	\$2,500	\$208
Total Expenses	\$25,135	\$2,095
		\$-
Gain/Loss	\$(135)	\$(11)

Net Worth

Finally, our net worth over the last fiscal year (July 2019 to June 2020) is shown below.

Net Worth Over Time

