



**The Charter of the One Health Commission is to
'Educate' and 'Create' networks to improve health outcomes
and well-being of humans, animals and plants and to promote
environmental resilience through a collaborative,
Global, One Health approach.**

Welcome to the inaugural edition of the One Health Commission (OHC) Newsletter. Thank you for your interest in the One Health Paradigm and the work of the Commission. If you are new to the concept of One Health, you may be starting to realize the critical need to change our health systems and practices, our ways of thinking and doing business, to a transdisciplinary, default One Health approach. If you are an experienced One Health 'torch bearer' seeking ways to help make these systems changes happen, there is much work that we can do together. Whichever is the case for you, we hope you'll get involved in supporting One Health efforts as we create ways to bring the 'Domains' of human, animal and environmental health professionals into direct conversations and collaborations.

Commission's Board of Directors appoints new leadership. In October, 2013, thanks to the early financial support of many institutions, individuals and corporations and after the Commission's first leader Dr. Roger Mahr retired, the OHC Board of Directors appointed a new Executive Director, Cheryl Stroud, DVM, PhD (Animal Domain, [Bio link](#)). Dr. Stroud, who pioneered and Chaired the North Carolina One Health Collaborative (NC OHC), was at the time of her appointment serving on the OHC Board as representative for the American Veterinary Medical Association (AVMA). She now brings her energy and passion for One Health to the Commission. Then, in January, 2014, Deeanna Burleson, RN, MSN (Human Domain, [Bio link](#)) assumed the role of Associate Executive Director. Ms Burleson has extensive human health care experience in civilian and military settings, is completing a PhD in Organizational Systems, and brings human health clinical and administrative expertise to the Commission. These changes in leadership moved the Commission's headquarters from Iowa State University (ISU) to the Research Triangle Park region of North Carolina ([See the OHC January, 2014 press release](#)) and has precipitated a flurry of One Health activities for the Commission which we will share in this newsletter.

Message From the Director



Cheryl Stroud, DVM, PhD

“Informed passion...promotes work done in full acceptance of.....obstacles.” D Bayles & T Orland, *Art and Fear*.

In 1986, when my son was 20 months old, he developed an uncontrollable, chronic diarrhea. There went the potty training, right out the door. His pediatrician was not overly concerned; it was probably viral, he thought, and would resolve. And it was contagious. My husband, also a DVM, and I both contracted this debilitating diarrhea and became too ill to raise our heads off the pillow, taking turns changing dirty diapers and losing time from work. This went on for six weeks, waxing and waning. After multiple visits with the pediatrician yielded no diagnosis and our formerly healthy toddler began losing weight and fighting dehydration, my husband took a soiled diaper to the parasitologist at the NCSU Vet School where we both worked. In 30 seconds Dr. Levy made the diagnosis: cryptosporidia. The oocysts lit up like red Christmas bulbs under the microscope with a simple acid fast stain. When I called the pediatrician’s office to report our findings, it seemed, (at least in 1986) that they were unfamiliar with this parasite.



We do not know where we contracted this parasite. Family visiting during the week before our illness had mentioned that their kids had had diarrhea. They lived in a very rural setting near lots of farm animals. Who knows? Our immune systems did eventually overcome the organism. But what if there had been an immunocompromised individual in our household? We know today that this parasite can be life threatening, indeed often kills people with HIV/AIDS and I imagine that today this illness would be diagnosed quickly. But I’m not sure. Would a pediatrician today ask about animal exposure and recognize the need for stool analysis in this situation? Would s/he think to check the cryptosporidia box on

the lab sheet as a rule out? Would the human health diagnostic lab quickly identify it and notify the physician? Do we have any better therapies for this illness today than we did in 1986??

One Health thinking *is* taking hold. It ‘is’ happening globally, especially in some developing countries. Yet, after four years of intensive work in this arena, I am still shocked to meet physicians, public health workers, ecologists, nurses, engineers, veterinarians, medical anthropologists, dentists, osteopaths, and other health and health-affiliated professionals who have never heard of or thought about One Health. Usually, once they understand what it is all about, they are struck by how much sense it makes and I often hear, ‘Oh, my! Yes, that is really needed.’ One MD who began coming to the NC OHC One Health discussions was at first very skeptical about all the fuss, but is now a true One Health believer and supporter.

Would cryptosporidia be more quickly recognized and diagnosed today? I hope so, but I’m skeptical. This cryptosporidiosis encounter is just one of many personal One Health experiences that have informed my passion for educating across the human, animal and environmental domains. No one profession can possibly know everything. But together, by interacting directly across the sectors, we can enhance public health and health within each domain, both here in the U.S. and abroad. I strongly believe that organized efforts of the One Health community will ‘connect’ the many foci of One Health efforts to ‘create’ working teams that can drive activities to ‘educate’ both the public and professionals about issues that fall at the interface of our disciplines; and that these changes will carry the One Health movement even further forward until it becomes the default way of doing business around the world.

My message to the One Health community in this first issue of the OHC newsletter is that we ‘can’ make a difference by gently and respectfully continuing to tell One Health stories and by sharing evidence-based case studies that teach by example. Please check out the many transdisciplinary One Health teams that are forming and consider getting involved to *help* carry One Health thinking forward. There is something we *each* can do.....and much work to be done. Thanks for your interest and support of One Health.

A handwritten signature in cursive script that reads "Cheryl Stroud".

Cheryl Stroud, DVM, PhD

Executive Director, One Health Commission

Thank You, Dr. Mahr

In 2008, when the One Health initiative Task Force ([Link to Exec. Report](#)) recommended creation of the One Health Commission, Dr. Roger Mahr, One Health champion and former AVMA president, took on the challenge of leading it. Dr. Mahr's boundless energy established and administered the Commission as a 501(c)3 non-profit for five years. He diligently sought a headquarters home, oversaw creation of the website and database, administered a survey of One Health stakeholders on priorities for One Health, and initiated the first OHC sponsorship drive in late 2012. The One Health Commission and One Health community owe a huge debt of gratitude to him for his leadership. Thank you, Dr. Mahr, for your energy and commitment to One Health and the Commission.



Roger Mahr, DVM
Immediate Past CEO

Thank You, ISU College of Veterinary Medicine, ISU Center for Food Security and Public Health, ISU Nutrition and Wellness Research Center

These three entities provided in-kind support to the Commission for the three years prior to its relocation to North Carolina. Many thanks to Dr. Lisa Nolan, Dean of the ISU School of Veterinary Medicine, Dr. Jim Roth, Director of the ISU Center for Food Security and Public Health (CFSPH), Dr. Glenda Dvorak, Assistant Director of CFSPH, CFSPH representative to the Commission Board, Connie Scovin, CFSPH public relations specialist, Jennifer Walker-Daniels, and Sarah Wilson, administrative assistants, for all their in-kind support and efforts on the Commission's behalf while it was headquartered at ISU.

One Health Commission Board Meets in Atlanta, Georgia - Updates Charter Statement

[OHC March Press Release](#)

Thank You to Dr. Greg Bossart and the Georgia Aquarium: On February 27-28, 2014, for the first time since the Commission was chartered as a 501c3 non-profit on June 29, 2009, the Board of Directors ([BOD listing](#)) was able to **meet** in Atlanta for an 'in person' strategic planning retreat and board meeting. Funded and hosted by the Georgia Aquarium (a new, 2013 Commission 'Leader' sponsor), board members who participated became *poignantly* aware of the value of being part of the Commission **as they would never have otherwise had the opportunity to come together in direct conversations with colleagues from such diverse backgrounds.** Indeed, trans-disciplinary relationships and activities have already evolved among these OHC participants.



The OHC Board met at the Georgia Aquarium in February, 2014. A number of Board members had already departed when this photo was taken. Pictured are, left to right: Deeanna Burleson, Ken Andrews (facilitator) Jim Hughes, Al Osbahr, Gregg Bossart, Cheryl Stroud, Wayne Carter, Joann Lindenmayer and Jennifer Koeman.

At the meeting the Mission/Vision of the Commission was updated to a new 'Charter' statement:

The Charter of the One Health Commission is to 'Educate' and 'Create' networks to improve health outcomes and well-being of humans, animals and plants and to promote environmental resilience through a collaborative, global One Health approach.

This updated Charter now informs everything that the Commission is working on. A major component of these new directions is to involve the One Health community in actions that, by working together, will further the One Health concept toward becoming the

default way of doing business. See below a list of the newly formed teams and determine where you might lend a long-term leadership commitment.

Thanks for your leadership, Dr. Osbahr; Board Chair Gavel passes to Dr. Joann Lindenmayer

OHC March Press Release

Al Osbahr, MD, American Medical Association representative to the Commission Board, practitioner and Medical Director of Occupational Health Services at Catawba Valley Medical Center in Hickory, North Carolina, has diligently served two 2-year terms as Chairperson of the OHC Board of Directors, the longest time allowed by the Commission's By-Laws. In April of this year he passed the Chair's gavel to Dr. Joann Lindenmayer who was elected Board Chairperson at the Atlanta meeting. Dr. Osbahr will now serve as Immediate Past Chair on the Executive Committee until the next new Chair is elected. **Thank You**, Dr. Osbahr, for your continued commitment to One Health and the Commission and for your leadership from the human health arena.

Receiving the gavel was Dr. Joann Lindenmayer, American Veterinary Medical Association representative to the OHC, Senior Manager of Disaster Operations and Director of the Humane Society International's (HSI) Haiti program and adjunct Associate Professor of Public Health at Tufts University School of Medicine. Dr. Lindenmayer is focused on bringing the One Health community together, especially getting Students for One Health connected and involved with the Commission.



Al Osbahr, MD



Joann Lindenmayer, DVM, MPH

Past Events

(Click [Here](#) for a Full History of the OHC)

Summer 2012 - Led by Dr. Mahr, the Commission sponsored a survey of One Health Stakeholders to prioritize One Health efforts (Contact Dr. Stroud or Ms. Burlerson if you would like to review the survey results).

Fall 2012 - First OHC sponsorship drive began (Click [Here](#) to view Sponsorship Structures)

Spring 2013 With new institutional sponsors at the 'Leader' level, the Commission's Board expanded to include fourteen dynamic leaders ready to make things happen on the One Health front.

Summer 2013 The Commission partnered with the Global Alliance for Rabies Control (GARC) and Bat Conservation International (BCI) to develop two bat rabies educational posters that are now circulating around the world. ([Adult Version](#); [Child Version](#)). These posters can also be found at https://www.onehealthcommission.org/en/library_of_one_health_references/ under educational posters).

Fall 2013 - The OHC Communications Committee was created and is developing One Health public service radio announcements. (see the team members below)

November 2013 – The Commission began its move from Iowa State University to Apex, North Carolina

2014 OHC Recent Happenings

(Click [Here](#) for a complete list of OHC News)

January 27, 2014

One Health Commission at CDC's Veterinary Student Day - Invited by the Centers for Disease Control (CDC), Cheryl Stroud, Executive Director, Joann Lindenmayer, AVMA representative to the OHC Board, and Jim Hughes, representative to the Board for the Infectious Diseases Society of American (IDSA), attended Veterinary Student Day at CDC. At this meeting they were inundated with students sharing information on the One Health activities that they were leading at their respective schools and expressing the need to locate and communicate with each other. The Commission was able to connect a handful of them and now their listserv has grown to 60+ **Students for**

One Health. They immediately formed a [Students for One Health Facebook page and Future Leaders of One Health LinkedIn pages](#). There is also a request from among students for the OHC to become a parent organization for Students for One Health Chapters around the country, not just from veterinary medicine but all health and health-affiliated fields. This is actively being explored. If anyone has insights on how to create / structure such Chapters, please contact the OHC Executive or Associate Directors.

February 27-28, 2014 The First Annual OHC ‘in-person’ Board Meeting/Working Retreat was held in Atlanta, Georgia, funded and hosted by the Georgia Aquarium. ([OHC March Press Release](#))

March 14-15, 2014 One Health Commission Directors attended the Association of American Veterinary Medical Colleges (AAVMC) Annual Meeting: ‘One Health in Veterinary Medical Education’ in Alexandria, Virginia. (Click [Here](#) for Event Information on the OHC website under ‘Events’)

April 7, 2014, ‘An Introduction to the One Health Concept’ slide presentation by Cheryl Stroud, at the National Coalition for Food and Agriculture Research Summit on Cultivating a Healthy Future: Agriculture’s Role in Improving Health and Wellness, in Washington, D.C.

April 8, 2014, ‘Introduction, Application and Benefits of the One Health Approach’, slide presentation by Cheryl Stroud, at the Food Safety Summit Workshop: A One Health Approach to Improving Food Safety, Baltimore, MD.

May 5, 2014, ‘Introduction, History and Mission of the One Health Initiative’, slide presentation at the Annual Meeting of the American College of Laboratory Animal Medicine (ACLAM), Coeur d’Alene, Idaho.

June 8, 2014 OHC Executive Director met with the [World Small Animal Veterinary Association One Health Committee](#) at Duke University.

June 12, 2014, ‘The One Health Commission: A Multidisciplinary Initiative to advance health of People, Animals, Plants, and the Environment’, slide presentation by Cheryl Stroud to the U.S. Public

Health Service Veterinary Category Scientific and Training Symposium.

Catalyzing Efforts to ‘Connect, Create, Educate’

The 2014 Sponsorship Drive is going on right now. [See and print Sponsorship fliers and registration forms](#) or register [online](#) to support the Commission’s efforts.

The OHC Website is being ‘redesigned’ and expanded to create a searchable One Health library.

Active One Health ‘Teams’ Created and Active

International Who’s Who in One Health Webinar Team – This OHC team is targeting Nov 10, 2014 to sponsor the first-ever International Who’s Who in One Health webinar. Many folks in the One Health community cannot get to Bangkok, Davos, Australia, London or Amsterdam, but they can log into a free international webinar. Prominent One Health leaders from around the U.S. and the world will be invited to speak for 15-20 minute slots over 8 hours about their ongoing One Health activities. Participants can slip into and out of the webinar to hear speakers of interest.

Chair: Peter Costa, MPH, MCHES, Director, Health Advancement/ Prevention, Lehigh University, pjc212@lehigh.edu

Deeanna Burleson, RN, MSN, Associate Executive Director, OHC, dburleson@onehealthcommission.org

Cheryl Stroud, DVM, PhD, Executive Director, OHC, cstroud@onehealthcommission.org

Professional Continuing Education (Webinars) Team

– This team formed spontaneously when it was suggested that the OHC partner with AVMA to sponsor an online One Health CE webinar for practicing veterinarians. The group quickly decided to create a CE/CME series on One Health issues targeted jointly at *clinical* veterinary and human health practitioners. The team is investigating how to offer CE for veterinarians and CME for physicians. If you can help with this, please contact the Team Chair. Team Members include:

Chair: Michael Fleck, DVM, practitioner tfleck2970@aol.com

Lynne White-Shim, DVM staff at AVMA LWhite@avma.org

Laura Kahn, MD, MPH, MPP at Princeton and One Health Initiative Website team member, lkahn@princeton.edu
 Joann Lindenmayer, DVM, MPH, OHC Board Chair, Joann.Lindenmayer@tufts.edu
 Chris Woods, MD, Infectious Diseases at Duke and with NC OHC chris.woods@duke.edu
 Carol Rubin, DVM, MPH, Director of One Health Office, CDC chr1@cdc.gov
 Mark Starr, DVM, CA Dept. of Environmental Health mark.starr@cdph.ca.gov
 Jim Hughes, MD, Emory University and the OHC Board of Directors, JMHUGHE@emory.edu
 Cheryl Stroud, DVM, PhD, Executive Director, One Health Commission

IOM Team/Committee - This team/ committee formed in January 2014 in response to an exploratory email in fall 2013 to the One Health community from Dr. Patrick Kelly, Director of the Board on Global Health at the Institute of Medicine (IOM). The team will work toward facilitating an IOM study on gaps in One Health Education in professional health education across Veterinary and Human Medical Schools and in Environmental Health education settings. These gaps have been recently elucidated by Rubin et al. (2012) ([Link to article](#)) The IOM is an independent, nonprofit organization that works outside of government to provide unbiased and authoritative advice to decision makers and the public (ref Wikipedia). Established in 1970, it is the health arm of the National Academy of Sciences, which was chartered under President Abraham Lincoln in 1863. ([IOM Website](#)). Nearly 150 years later, the National Academy of Sciences has expanded into what is collectively known as the [National Academies](#), comprised of the [National Academy of Sciences](#), the [National Academy of Engineering](#), the [National Research Council](#), and the IOM.

- **OHC History with IOM:** In November 2009, after the One Health Commission was chartered the previous June, a One Health Commission Summit (inaugural event) was held in November of 2009 in partnership with the National Academies of Science in Washington, D.C. Nine speakers included senior officials from the USDA, CDC, FDA, NIEHS, US Agency for International Development, academia, state government, and Kansas Bioscience Organization. [Click here](#)

to view the Executive Summary of the One Health Summit.

- At the Summit, the National Academies announced its intent to conduct an Institute of Medicine/National Research Council consensus study on One Health and a proposal titled ‘ “One Health” and the Enhanced Integration of Human, Animal, and Environmental Health Sciences’ was written. However, funding has not yet been identified for this study. ([See Executive Summary of the OH Summit](#))

Chair: TBD

Jim Hughes, MD, Emory University, OHC Board, jmhughe@emory.edu
 Albert Osbahr, MD, Practitioner, OHC Board aosbahr@catawbavalleymc.org
 Rear Admiral William Stokes, DVM, williamstokes.asg@gmail.com
 James Fox, DVM, Massachusetts Institute of Technology, jgfox@MIT.EDU
 Ray Mitchell, MD, MACP, Georgetown University, OHC Board mitchelr@georgetown.edu
 Deeanna Burluson, RN, MSN, OHC Associate Executive Director dburluson@onehealthcommission.org
 Cheryl Stroud, DVM, PhD, OHC Executive Director, cstroud@onehealthcommission.org

Communications / Public Service Announcements Team

- This multidisciplinary team is creating for distribution a series of One Health Public Service Announcement (PSA) radio shorts. The first one, ‘What is One Health?’ is under development with plans for four more, two on infectious disease topics, one ecosystem topic, and one food safety topic. Future proposed topics include Lyme disease, Bat Rabies, Salmonellosis (food safety). Please send suggestions and interest in being involved to the Chair of the committee or the OHC staff.

Chair: Art Lage, DVM, Harvard Center for Comparative Medicine, arthur_lage@hms.harvard.edu
 Jeff Walden, MD, Family Health Practice, Greensboro, NC, jwalden80@gmail.com

David Green, Director of Communications / Media Relations, NCSU CVM
david_green@ncsu.edu

Glenn Cherry, DVM, Global Health Professionals, Inc, Central Florida Communicators Group, LLC
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Larry Maddoff, MD, Editor, ProMed,
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Marianne Smith-Edge, MS, RD, LD,
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Michael Fleck, DVM, MS, Veterinary media expert,
Owner, Epi-Pet, tfleck2970@aol.com

posted on the OHC website to ‘teach by example’. Please provide to the OHC staff any appropriate items. This is a powerful way to ‘educate’ about One Health.

2. Newsletter support Team
3. Policy Statements/Recommendations Team
4. Legislative Watch Team
5. One Health Library Support Team
6. One Health in the News Team
7. Zoonoses: Protecting People and Their Pets distribution Team
8. OH Professional Writing Team

Future Teams under development- needing support

1. One Health Narratives/ Case Study Team to identify and collect One Health narratives and scientific, evidence-based case studies from the One Health Community. These narratives will be

Upcoming One Health Events in 2014 – OHC and Beyond!

- August 24** [One Health Symposium Where Humans, Animals and Environment Intersect](#)
Location: Gladys Valley Hall, UC Davis Campus and Webinar
Time: 8:00 AM - 6:00 PM
- September 5-7** [5th Annual Zoonotic Disease Symposium: One Health in the suburbs](#)
Location: Cornell University, Ithaca, NY
- October 13** [One health: Making a powerful concept work for infectious disease](#)
Location: Royal Society of Medicine 1 Wimpole Street LONDON W1G 0AE
Time: 8:30 AM - 5:30 PM
- November 10** OHC 2014 First Annual Who’s Who in One Health International Webinar
Location: Webinar
Additional Information forthcoming
- Nov 13-14** [Global Solutions to Regional Challenges: Bridging the One Health Divide](#)
Location: Ross University, School of Veterinary Medicine, St. Kitts Marriott Resort

Send us information on ‘your’ One Health events so we can post them on the OHC website and highlight them in the next Newsletter.

One Health Commission Sponsors



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Kansas City Area Life Sciences Institute
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