

ANM9 SCHEDULE

SEPTEMBER 24 - 26 2010

FRIDAY SEPTEMBER 24		PLENARY	CONCURRENT
8:00 a.m. to 10:00 a.m.		PAUL STAMETS Solutions from the Underground—How Mushrooms can Save the World	PETER W GOSCH The Prevention and Treatment of Chronic & Degenerative Diseases with PEKANA Homeopathic-Spagyric Complex Remedies Q & A with Katarina Beyersdorff from PEKANA Germany <i>Sponsored by: ECOTREND</i>
10 a.m. to 11 a.m.	BREAK		
11:00 a.m. to Noon	PETER BENNETT, ND & WYNN GMITROSKI, PT Myofascial Release, the Missing Link (Part 1: Introduction)	JEANNE PAUL, ND Native Wildcrafting in the Pacific Northwest	
Noon to 1:30 p.m.	LUNCH		
1:30 p.m. to 3:00 p.m.	ALFRED SHIHATA, MD Preventing Pregnancy and Sexually Transmitted Disease Infections by Natural and Novel Cervical Barrier Device—FemCap	IVA LLOYD, ND Identifying the Root Cause of Disease	
3 p.m. to 4 p.m.	BREAK		
4:00 p.m. to 6:00 p.m.	ALEX VASQUEZ, DC, ND Assessing and Treating Common Inflammatory and Metabolic Conditions—A Focus on Metabolic Syndrome and Rheumatoid Arthritis <i>Sponsored by: BIOTICS</i>	ERNIE MURAKAMI, MD Syphilis Then, Lyme Disease Now	
SATURDAY SEPTEMBER 25		PLENARY	CONCURRENT
8:00 a.m. to 10:00 a.m.	RONALD WHEELER, MD When Diagnosing Cancer, Image is Everything—Should Prostate Cancer be an Exception?	PAUL EPSTEIN, ND Mind-Body Medicine and The Self Healing Journey—How Biography Becomes Biology...Seeing with New Eyes	
10 a.m. to 11 a.m.	BREAK		
11:00 a.m. to Noon	PETER BENNETT, ND & WYNN GMITROSKI, PT Myofascial Release, the Missing Link (Part 2: Advanced Demonstrations)	ANKE ZIMMERMANN, ND Taking Flight—Homeopathic Remedies Derived from Birds	
Noon to 1:30 p.m.	LUNCH		
1:30 to 3:00 p.m.	TAMARA CULLEN, ND Naturopathic Clinical Pearls for Primary Care Pediatrics	GENOVEVA NAGY, MD The Science and Foundation of Physiological Regulating Medicine <i>Sponsored by: GUNA</i>	
3:00 p.m. to 4:00 p.m.	BREAK		
4:00 p.m. to 6:00 p.m.	JONATHAN TREASURE, MA, MNIMH Artemisinin, From Bench to Bedside	MICHAEL PRYTULA, ND Oxidative Medicine Revisited	
SUNDAY SEPTEMBER 26		PLENARY	NO CONCURRENT SESSIONS
8:00 a.m. to 10:00 a.m.	MARTIN MILNER, ND Critical Decision Making in the Use of Key Cardiovascular and Pulmonary Drugs		
10:00 a.m. to 11:00 a.m.	BREAK		
11:00 a.m. to 1:00 p.m.	WADE DAVIS, PHD Ancient Wisdom in the Modern World		

ANM9: BCNA FALL CONFERENCE

SPEAKERS * TITLES * BIOS

ANM9 is on September 24-26, 2010 at the Vancouver Convention Centre
Register online at www.bcna.ca; early registration deadline is August 20, 2010

Closing Keynote: Wade Davis, PhD: Ancient Wisdom in the Modern World

Prospectus extracted from the spring 2010 BCNA Bulletin newsletter

Paul Stamets: Solutions from the Underground: How Mushrooms can Save the World

Our biosphere is quickly changing, eroding the life support systems that have allowed humans to ascend. Unless we put into action policies and technologies that can cause a course correction in the very near future, species diversity will continue to plummet, with humans not only being the primary cause, but one of the victims. What can we do? Fungi, particularly mushrooms, offer some powerful, practical solutions, which can be put into practice now.

In this comprehensive lecture, Paul Stamets will present six inventions which can help steer ecosystems and humanity to a healthier future. He will discuss the evolution of mushrooms in ecosystems and how fungi can help heal environments. As environmental health and human health are inextricably interconnected, fungi offer unique opportunities that capitalize on mycelium's diverse properties. Fungi are the grand molecular "dis-assemblers" in nature, decomposing plants and animals, creating soils and the food web of life.

Forest dwelling mushroom mycelium can achieve the greatest mass of any living organism—this characteristic is a testimonial to the inherent biological power of the fungus.

Paul's work with mycelium shows how these largely untapped organisms can replace chemical insecticides; they can also break down toxic wastes, including petroleum-based products such as diesel, dioxins, and numerous other toxins into non-toxic forms. Understanding mycelium's production of antibiotics is useful not only to compete with bacteria in nature but has also proven useful for preventing vectors of diseases that afflict animals, and ultimately humans. By building mycofiltra-

tion membranes, pollution from farms and factories can be reduced or eliminated, protecting downstream environments from toxins.

This lecture will focus on about a dozen species of medicinal mushrooms, which will be explored from a historical perspective leading to the clinical studies in which Paul is participating. Moreover, he will discuss his work with the US government's Bioshield BioDefense program, wherein his extracts were the first natural products from hundreds of thousands of samples tested found to be potent inhibitors of pox, bird flu and other viruses. As ecosystems become stressed, diseases proliferate, and many scientists predict a viral storm is on the near horizon—just one symptom of the Earth reacting to the insults we have levied. Paul's recent research shows mushrooms have a surprisingly broad range of anti-infective properties, including but not limited to inhibiting *Escherichia coli*, *Staphylococcus aureus* and *Mycobacterium tuberculosis* bacteria. If it were not for the biological prejudice against "mushrooms", science would be better prepared for facing these challenges. Paul will demonstrate that mycelium offers many of the solutions we sorely need.

About the Speaker: Paul Stamets has written six mushroom-related books. Several are used as textbooks around the world by the gourmet and medicinal mushroom industries. He is the author of many scholarly papers in peer-reviewed journals (e.g., the *International Journal of Medicinal Mushrooms*; *Evidence Based Complementary and Alternative Medicine eCAM*, Oxford University Press; *Herbalgram*, and others). He has written more than twenty patents. Paul is an advisor to the Program of Integrative Medicine at the University of Arizona Medical School, Tucson; on the Editorial Board of *The International Jour-*

nal of Medicinal Mushrooms, and was appointed to the GAP/GMP Board of the US Pharmacopoeia. Paul is the supplier and co-investigator of the first two NIH funded clinical studies using medicinal mushrooms in the United States. His strain collection is extensive and unique, with many of the strains coming from old growth forests. He is involved in several other research trials ongoing and pending.

In 2008, Paul received the National Geographic Adventure Magazine's Greeninnovator and the Argosy Foundation's Achievement Awards. In November of 2008, the *Utne Reader* recognized Paul as one of the 50 Visionaries of the Year. In February of 2010, Paul was honoured with the President's Award from the Society of Ecological Restoration/NW.

Paul is married to C. Dusty Yao, a plant fanatic, who shares a passion for fungi and together they share a love of old growth forests. Both believe that people properly armed with fungal wisdom can help save the planet.

Peter W. Gosch: The Prevention and Treatment of Chronic & Degenerative Diseases with PEKANA Homeopathic-Spagyric Complex Remedies. (Sponsored by ECOTREND)

During this lecture Peter Gosch will introduce the PEKANA spagyric processing method, explain why the PEKANA homeopathic-complex remedies are extremely beneficial in the treatment and prevention of chronic diseases. He will introduce, explain and indicate the various remedies and their uses, e.g., HECHOCUR spag. for the treatment of liver dysfunction, GASTUL spag. for treatment of functional diseases of the stomach and intestinal tract, ITIRES spag. for the treatment of lymphatic conditions, RENELIX spag. for the treatment of kidney dysfunction, OPSONAT spag. the PE-

KANA flagship remedy for the treatment of the inflammation of the mucosal system. In respect to degenerative disease, he will discuss epigenetics and homeopathy, factors that lead to the increase of degenerative diseases, and focus on some specific PEKANA remedies, including: HABIFAC spag. for the treatment of the genetic predisposition to develop a variety of degenerative diseases; apo-RHEUM spag. for the treatment of rheumatism; NEU-regen spag. for restoring the nervous system; PSY-stabil spag. for restoring mental and emotional stability; CARDINORMA spag., CANGUST spag. and coro-CALM spag., the three remedies for treatment of heart conditions and heart support; OSS-regen spag. for the treatment of degenerative bone diseases; GLUCORECT spag. for the regulation of blood sugar levels; GLAUTARAKT spag. for the treatment of reduced vision, glaucoma, cataracts; SOMCUPIN spag. and SEDICELLO spag. for insomnia and anxiety and restlessness which may accompany degenerative diseases.

About the speaker: Peter Gosch is President of IntegrativeMedicine.com Incorporated. For the past 25 years he has actively promoted German Biological Medicine, as well as Integrative Medicine, through lectures and writings in countries around the globe. *Of special note is that Katarina Beyersdorff, wife of the late Dr. Peter Beyersdorff, who founded PEKANA in the 1960s, will be in attendance during the Q&A.*

Peter Bennett, ND & Wynn Gmitroski, PT: Myofascial Release, the Missing Link

About the speakers: Dr. Peter Bennett received his BA at the University of BC and his ND at Bastyr University. He also has advanced degrees in TCM and homeopathy. He has published in various clinical and mainstream journals, and is the co-author of two books, the bestselling *The 7-Day Detox Miracle* and *Energize Your Life*. He has lectured widely, both to professional and lay groups, has appeared on local and national radio and TV, has taught at Bastyr, CCNM and BINM, and has over 20 years practice experience. Recently, he has developed a close working relationship with Athletics Canada and, along with Wynn Gmitroski, has worked with various Canadian elite athletes. He currently co-owns a clinic in Langley, BC, along with his wife, naturopathic doctor Stephanie Trenciansky.

Wynn Gmitroski is a physiotherapist with

extensive experience in sports medicine. He is a certified master coach and instructor for the National Coaching Institute, in Victoria, BC. He has served as a Canadian team coach for middle distance running for three summer Olympics, four Commonwealth Games and seven World Athletics Championships. Wynn is the personal coach of athletes Gary Reed, Katie Vermeulen, Aimee Teteris, Ray Ardill, Trevor O'Brien and the former coach of Diane Cummins. He is the owner of Cedar Hill Sports Therapy in Victoria.

Jeanne Paul, ND: Native Wildcrafting in the Pacific Northwest

About the speaker: Dr. Jeanne Paul is Red Shawl Woman who hails from the Sliammon Band of the Coast Salish First Nation tribes in BC. Dr. Paul received her ND from NCNM in 1991. Dr. Jeanne was the first First Nations from Canada to graduate as a naturopathic physician and the second one in the United States. Since then many First Nations have joined this profession. In her clinic, Dr. Paul fuses Native traditions and naturopathic disciplines to create a line of wild-crafted products derived from 100% natural local herbs and botanicals. The name of Dr. Jeanne's products comes from the First Nations dancers who wear their ornate garb and perform their dances in Native ceremonies. She has diverse professional experience as a teacher and member of various provincial and federal health initiatives. In 2010 Dr. Paul was one of a select few hosting at the 2010 Winter Olympics Aboriginal Pavilion in Vancouver. She makes her home in Chilliwack, BC.

Alfred Shihata, MD: Preventing Pregnancy and Sexually Transmitted Disease Infections by Natural and Novel Cervical Barrier Device: FemCap

Dr. Shihata will discuss the history and evolution of the FemCap, and how it works in preventing pregnancy and sexually transmitted diseases. He will show statistics supporting FemCap's effectiveness, compare the safety, effectiveness and acceptability of the FemCap and alternatives (e.g., hormonal contraceptives, diaphragm, condom and IUD). He will provide a short review of newer and safer spermicides and microbicides, among other clinical issues related to STD infections and pregnancy.

About the speaker: After graduating from medical school, Dr. Alfred Shihata set

his goal on a clinical as well as a medical research career. He divides his time between clinical practice in women's health and research. His intention is to combine the clinical experience from patient contact, with a research that enhances the quality of their lives. Dr. Shihata has over 28 years of experience in clinical research. He invented several medical devices and has been granted 12 patents. He was one of the principal investigators of the clinical evaluation of the FemCap for contraception that led to FDA approval in March, 2003. He has authored several articles that were published in national and international journals related to his research. Currently, Dr. Shihata is the president and CEO of FemCap Incorporated and he focuses all his attention on the prevention of STIs/HIV transmission.

Iva Lloyd, ND: Identifying the Root Cause of Disease

Root causes of disease are multi-factorial and include misalignment to one's core beliefs, lifestyle, and environment, social and external factors. Dr. Lloyd will address how to link the characteristics and patterns of the causal factors to a patient's signs and symptoms in order to assist practitioners in identifying the root causes of disease.

About the speaker: Iva Lloyd is a naturopathic doctor and registered polarity practitioner and educator. In 2002 she founded Naturopathic Foundations, an integrated clinic with four naturopathic doctors and other complementary health care providers that blend the naturopathic and energetic aspects of health care.

Dr. Lloyd is the author of four books: *Building a Successful Naturopathic Practice*; *Messages from the Body, a Guide to the Energetics of Health*; *The Energetics of Health, a Naturopathic Assessment*; and *The History of Naturopathic Medicine, a Canadian Perspective*. Dr. Lloyd writes for various journals and magazines and gives seminars on naturopathic medicine, assessing the root cause of disease, the role of the mind in healing and the building blocks to health. She is past-Chair of the board for the Canadian Association of Naturopathic Doctors. Dr. Lloyd teaches periodically at the Canadian College of Naturopathic Medicine and has presented at conferences both nationally and internationally.

Alex Vasquez, DC, ND: Assessing and Treating Common Inflammatory and Metabolic Conditions—A Focus on Metabolic Syndrome and Rheumatoid Arthritis (Sponsored by BIOTICS)

About the speaker: Dr. Vasquez received his BSc and DC from Western States Chiropractic and his ND from Bastyr University. He is currently completing his residency for his doctor of osteopathy. He has served as adjunct faculty at Bastyr in radiographic interpretation and rheumatology as well as at other colleges. He has published over 70 research articles in magazines, newspapers and peer-reviewed journals and spoken widely. He has published four textbooks in common use amongst DC and ND students. He also lectures and conducts research on behalf of Biotics.

Ernie Murakami, MD: Syphilis Then, Lyme Disease Now

Dr. Murakami's lecture will focus on the epidemiology of Lyme disease in the world, Canada and British Columbia. Various videos, illustrating the free form of the spirochete in active motion plus biofilm which protects spirochete from antibiotics and antibodies, will be shown. Methods of tick removal, such as the blister method, straw and single knot, will be explained. Some case presentations will be provided.

He will also include a summary of IV medications in his practice, with comparisons at one, two and three months, taken from a presentation given to the Federal Ministry of Health in Ottawa. Of note is the debate over 30 days antibiotic treatment at any stage (according to IDSA guidelines) as being adequate. He will also briefly discuss other studies with relevant findings such as Dr. Pat McGeer's study of post-mortem patients who had died with the diagnosis of Alzheimer's.

In respect to treatment, he will discuss oral therapy in the first and second stage, parenteral treatment in third stage (intramuscular route, intravenous route). Also noted will be the IDSA guidelines and the unfortunate divide in the medical profession over diagnosis and treatment protocols.

About the speaker: Ernie Murakami, MD, received his bachelor's degree in bacteriology and immunology and his MD from the University of British Columbia (UBC). He is also a clinical associate professor

emeritus at UBC. Through his practice in Hope, BC, he developed two innovative methods of tick removal, one which was the Blister Method; the injection of a pre-measured mixture of xylocaine and adrenaline directly beneath the jaw of the tick. This method is used today, primarily in medical offices and by emergency physicians. The second method was the Drinking Straw and Single Knot Method, in which the attached tick is placed inside the straw, with the straw held at a 45 degree angle. A suture string is placed under the straw, directly in contact with the mouth of the wood tick. A single knot is applied.

Constant alternating releasing pressure is applied upwards away from the skin and the tick releases itself intact, from the host. This technique was accepted by the Compensation Board and the Justice Institute for the training of ambulance and first-aid personnel and is in full use today.

Subsequent to these cases, Dr. Murakami began receiving referrals from other physicians due to his keen interest in Lyme and his approach to medicinal treatments, both in the removal of the ticks and his successful treatments of the disease.

Since that time, Dr. Murakami has offered his personal experiences as a physician treating Lyme patients to others in the medical field by speaking at seminars and conferences.

Today, Dr. Murakami is retired from his regular practice. His keen interest and his willingness to explore a very controversial topic has resulted in media attention as well as discord with some in the medical community. He remains true to his Hippocratic Oath however, and hosts a website (murakamicentreforlymebc) as a base of information to patients, possible sufferers and doctors alike.

Ronald E Wheeler, MD: When Diagnosing Cancer, Image is Everything—Should Prostate Cancer be an Exception?

About the speaker: Dr. Ronald E Wheeler, MD, is an internationally renowned urologist and a member of the American Urologic Association since 1985. He has been practicing for more than 20 years with a

Were I to distill a single message from these Massey Lectures it would be that culture is not trivial. It is not decoration or artifice, the songs we sing or even the prayers we chant. It is a blanket of comfort that gives meaning to lives. It is a body of knowledge that allows the individual to make sense out of the infinite sensations of consciousness, to find meaning and order in a universe that ultimately has neither. Culture is a body of laws and traditions, a moral and ethical code that insulates a people from the barbaric heart that history suggests lies just beneath the surface of all human societies and indeed all human beings. Culture alone allows us to reach, as Abraham Lincoln said, for the better angels of our nature.

From Wade Davis's *The Wayfinders*; see page 23

focus on male health related issues including impotency and prostate diseases associated with BPH, prostatitis, and prostate cancer. He completed his post-graduate urology residency training as LSU in New Orleans and is a member of the esteemed Royal College of Alternative Medicine (RCAM). He is currently Medical Director of the Diagnostic Center for Disease in Sarasota, Florida and is certified in High Intensity Focused Ultrasound (HIFU). His speaking engagements are numerous and include keynote addresses at the Society of Anti-Aging, Las Vegas, 2007; the National Men's Health Conference at Penn State, 2004; National Institutes of Health 1999 and 2000; and the American College of Advanced Medicine (ACAM) in 2002 and 2008. He has published a wide range of clinical papers, appeared on local and national TV and radio, is an advisory director on several urology and pharmaceutical boards, and hosts several websites dedicated to health and disease prevention.

Paul Epstein, ND: Mind-Body Medicine and The Self Healing Journey—How Biography Becomes Biology...Seeing with New Eyes

Dr. Epstein writes: Our diseases tell a story, not just about our cells, but about our selves, our life, our histories. The body remembers. By listening to their story, we are led to emotions that lie at the core of our authentic being. Through lecture, discussion, case studies, guided imagery and meditation exercises, we will explore how to listen within, to discover the messages

and meanings of the stories our illnesses tell, often hidden inside the pain and symptoms. We will discuss and highlight the therapeutic relevance and importance of integrating mind-body approaches and therapies in the healing process as a key component of naturopathic care. We'll explore how our life histories, childhood hurts, traumas and stresses affect our health (mental, emotional, physical and spiritual), and how healing is supported and happens when we consciously engage our inner healer and unburden ourselves from the wounds of our life story. Seeing sickness as home sickness, illness becomes an opportunity to embark on a journey of self-healing and awakening, to heal our relationship with ourselves, to come home to our true and authentic self.

About the speaker: Paul Epstein is a naturopathic physician, mind-body therapist and Buddhist mindfulness meditation teacher with twenty-five years experience in mind-body medicine, its therapeutic applications and integration in health care. He is a 1984 graduate of NCCNM where, during his clinical and teaching residency, he developed innovative courses and programs in holistic medicine and lifestyle counselling. From 1998-2001, he was involved in founding and co-directing with Nimrod Sheinman, ND, the Israel Center for Mind-Body Medicine, an educational, training and clinical institute. As a teaching expert in mind-body therapy, Dr. Epstein integrates naturopathic principles, therapeutics and practice with his background and professional training as a yoga teacher, meditation and dharma instructor, Interactive Clinical Imagery guide and Internal Family System therapist. As a practitioner, he emphasizes mind-body principles, contemplative psychotherapy and a whole-person approach, supporting and guiding patients in their self-healing journey and spiritual path. He maintains a private practice in Westport, Connecticut, where he is the guiding teacher of the Insight Meditation Community of Fairfield County.

Anke Zimmermann, ND: Taking Flight—Homeopathic Remedies Derived from Birds

Dr. Zimmerman writes: Why birds? I have been working as a naturopathic physician with a specialization in homeopathy since

1991. Between 1991 and 2005 I was in private practice in Newmarket, Ontario.

In 2005 I moved to Victoria, BC. I noticed that the patients in Victoria were different in a number of ways from the ones in Ontario. In general I had more patients who were interested in nature, the fine arts, the healing arts, spirituality, all no doubt a reflection of the greater interest in those areas in BC and the West Coast.

Around that time I also had numerous conversations with a colleague, Dr. Margaret Holland, about homeopathy and the patients on Vancouver Island. I also read Jonathan Shore's book *Birds—Homeopathic Remedies from the Avian Realm* and subsequently started to recognize patients needing bird remedies.

Over the past two years I have prescribed various bird remedies successfully for a number of patients, using Jonathan Shore's book and other materials as a reference.

Animal remedies in general are probably proportionately underrepresented in the *materia medica*. In the 1990s it was noticed by a number of well-known homeopaths, including Sankaran, Herrick, Sherr, Shore and many others, who subsequently conducted provings of various animals.

Jonathan Shore identified several characteristics which he felt were common for bird remedies. I would agree with him from my observations. They are as follows:

Organization of the mind is around concepts and ideas; A sense of impartial detachment, of being an observer; A strong sense of intuition or natural or immediate knowing; A sensation as if drugged and/or disoriented in both time and space—in fact a differential with drug remedies indicated; Spiritual awareness or a strong sense of spirituality; A strong sense of empathy or compassion. Jonathan Shore wrote, and this is my experience too, that these remedies may often be needed in health care workers, social workers and related helping professionals.

In short, these remedies might be indicated for sensitive, intuitive, artistic and spiritual people, whose numbers are growing these days. I think this makes birds a most interesting remedy group to study, especially for NDs, as we obviously see large numbers of these sorts of patients.

About the speaker: Dr. Anke Zimmermann

received her BSc from the University of Toronto and her ND from CCMN. She practices in Victoria, BC.

Tamara Cullen, ND: Naturopathic Clinical Pearls for Primary Care Pediatrics

About the speaker: Tamara Cullen, ND is a 1999 graduate of Bastyr University and currently practices primary care medicine in Seattle, Washington. Dr. Cullen has always had a special love for working in pediatrics. She believes that teaching our children the philosophy and principles of naturopathic medicine will create the greatest health care change in the world. It is because of this belief that she enjoys educating other providers on practicing pediatric medicine. She currently serves as adjunct faculty at the Bastyr Center for Natural Health and as the Advanced Pediatrics professor at Bastyr University. She is also a founding board member of the newly formed PedANP, and co-author of *The Baby Cuisine Cookbook*. She spends the majority of her time at her private practice, Naturopathic Family Medicine, in Seattle and in addition, loves to swim, travel and spend time with her family.

Genoveva Nagy, MD: The Science and Foundation of Physiological Regulating Medicine (Sponsored by GUNA)

Physiological regulating medicine is the use of the exact physiological concentration of metabolic factors (e.g., hormones, neurotransmitters, cytokines, growth factors) melded with precise natural substances produces an auto regulation of the cell. This creates, first, a stabilization, then regeneration and the promotion of anti-aging. This presentation will discuss the clinical uses as well as studies supporting these findings and information on the use of single cytokines and growth factors.

About the speaker: Dr. Genoveva Nagy is a specialist in internal medicine and a homeopath in Romania.

Jonathan Treasure, MA, MNIMH: Artemisinin, From Bench to Bedside

A review of the phytopharmacology of artemisinin and its derivatives with a focus on their anticancer properties, including applied clinical use in integrative oncology settings.

About the speaker: Jonathan Treasure is an English medical herbalist currently resident in the town of Ashland, Oregon.

Jonathan was originally educated at King's College, Cambridge, graduating with a masters in medical sciences in 1973. Disillusioned with both mainstream clinical medicine, and medical research (at Harvard Medical School in neurosciences), he abandoned conventional medicine for the study and practice of Tibetan Buddhism, and then began to explore traditional herbal medicine. He subsequently graduated from the original UK School of Phytotherapy (Herbal Medicine), under the late Hein Zeylstra. He was elected a member of the prestigious UK National Institute of Medical Herbalists (MNIMH); he is also a member of the College of Practitioners of Phytotherapy (MCP). After moving to the Pacific Northwest in 1994 he became a professional member of the American Herbalists Guild (AHG). He has published in several journals and is Senior Editor of the Journal of the American Herbalists Guild, as well as a contributor and reviewer for The American Herbal Pharmacopoeia in pharmacology and therapeutics.

Jonathan has taught herbal medicine, pharmacology, and therapeutics at several schools in the US, including Michael Moore's South West School of Botanical Medicine in Arizona, The National College of Phytotherapy in New Mexico, the Rocky Mountain Center for Botanical Studies in Colorado, NCNM, and Bastyr University.

He can often be found on a lightweight bicycle in the Oregon countryside, trying to figure out how common English roadside weeds grew so huge in America.

Michael Prytula, ND: Oxidative Medicine Revisited

About the speaker: Dr. Prytula graduated from CCNM in 1998. He has been in private practice for over 20 years. He is certified in IV therapies, chelation and oxidative medicine. He is one of four providers certified by the CNPBC to train Part B chelation and oxidative medicine. He has experience on the CCNM faculty, is a member of numerous professional groups (e.g., OAND, CAND, ISCTN, etc.). He practices in St. Catharines, Ontario.

Martin Milner, ND: Critical Decision Making in the Use of Key Cardiovascular and Pulmonary Drugs

Dr. Martin Milner will present a compre-

hensive pharmacology lecture which will include a brief review of cardiovascular and pulmonary drug classes commonly dealt with by NDs, PARQ responsibility, critical care decision making, the algorithmic approach, dealing with mild, moderate, severe and malignant hypertension, mild, moderate and severe cardiovascular disease, common arrhythmias (e.g., PAC, PVC, tachycardias), atrial fibrillation, extrinsic, intrinsic and mixed asthma, chronic ischemia management, nitrates, beta blockers, calcium channel blockers, angiotensin converting enzyme inhibitors, diuretics, and more.

About the speaker: Dr. Milner received his ND in 1983 from NCNM. He has remained at his alma mater for the past 23 years as Professor of Cardiovascular and Pulmonary Medicine. He is also the CEO and medical director of the Center for Holistic Medicine (1983-1991) and Center for Natural Medicine (CNM), Inc. (1991-present). Dr. Milner has treated over 20,000 patients with heart disease alone over the course of his 26 years of practice as a physician. He is world renown for his natural treatment protocols for heart disease, menopause and hypothyroidism. He is well published with texts, medical journal articles and studies in endocrinology, cardiology, pulmonology, oncology, and environmental medicine.

Wade Davis, PhD: Ancient Wisdom in the Modern World

Extracted from Davis' Massey Lectures, 2009:

One of the intense pleasures of travel is the opportunity to live amongst peoples who have not forgotten the old ways, who still feel their past in the wind, touch it in stones polished by rain, taste it in the bitter leaves of plants. Just to know that, in the Amazon, Jaguar shaman still journey beyond the Milky Way, that the myths of the Inuit elders still resonate with meaning, that the Buddhists in Tibet still pursue the breath of the Dharma is to remember the central revelation of anthropology: the idea that the social world in which we live does not exist in some absolute sense, but rather is simply one model of reality, the consequence of one set of intellectual and spiritual choices that our particular cultural lineage made, however successfully, many generations ago.

Together the myriad of cultures makes up an intellectual and spiritual web of life that envelops the planet and is every bit as im-

portant to the well being of the planet as is the biological web of life that we know as the biosphere. You might think of this social web of life as an "ethnosphere," a term perhaps best defined as the sum total of all thoughts and intuitions, myths and beliefs, ideas and inspirations brought into being by the human imagination since the dawn of consciousness. The ethnosphere is humanity's greatest legacy. It is the product of our dreams, the embodiment of our hopes, the symbol of all we are and all that we, as a wildly inquisitive and astonishingly adaptive species, have created.

And just as the biosphere, the biological matrix of life, is being severely eroded by the destruction of habitat and the resultant loss of plant and animal species, so too is the ethnosphere, only at a far greater rate. No biologist, for example, would suggest that 50 percent of all species are moribund. Yet this, the most apocalyptic scenario in the realm of biological diversity, scarcely approaches what we know to be the most optimistic scenario in the realm of cultural diversity.

The key indicator, the canary in the coal mine if you will, is language loss. A language, of course, is not merely a set of grammatical rules or a vocabulary. It is a flash of the human spirit, the vehicle by which the soul of each particular culture comes into the material world. Every language is an old-growth forest of the mind, a watershed of thought, an ecosystem of spiritual possibilities.

Of the 7,000 languages spoken today, fully half are not being taught to children. Effectively, unless something changes, they will disappear within our lifetimes. Half of the languages of the world are teetering on the brink of extinction. Just think about it. What could be more lonely than to be enveloped in silence, to be the last of your people to speak your native tongue, to have no way to pass on the wisdom of your ancestors or anticipate the promise of your descendents...

There are those who quite innocently ask, "Wouldn't the world be a better place if we all spoke the same language?" My answer is always to say, "A wonderful idea, but let's make that universal language Haida or Yoruba, Lakota, Inuktitut or San." Suddenly people get a sense of what it would mean to be unable to speak their mother

tongue. I cannot imagine a world in which I could not speak English, for not only is it a beautiful language, it's my language, the full expression of who I am. But at the same time I don't want it to sweep away the other voices of humanity, the other languages of the world, like some kind of cultural nerve gas.

Languages, of course, have come and gone through history... Today, just as plants and animals are disappearing in what biologists recognize as an unprecedented wave of extinction, so too languages are dying at such a rate that they leave in their wake no descendants.

While biologists suggest that perhaps 20 percent of mammals, 11 percent of birds, and five percent of fish are threatened, and botanists anticipate the loss of 10 percent of floristic diversity, linguists and anthropologists today bear witness to the imminent disappearance of half the extant languages of the world. Over 600 have fewer than 100 speakers. Some 3,500 are kept alive by a fifth of one percent of the global population. The ten most prevalent languages, by contrast, are thriving; they are the mother tongues of half of humanity. Fully 80 percent of the world's population communicates with one of just eighty-three languages. But what of the poetry, songs, and knowledge encoded in the other voices, those cultures that are the guardians and custodians of 98.8 percent of the world's linguistic diversity? Is the wisdom of an elder any less important simply because he or she communicates to an audience of one? Is the value of a people a simple correlate of their numbers? To the contrary, every culture is by definition a vital branch of our family tree, a repository of knowledge and experience, and, if given the opportunity, a source of inspiration and promise for the future. "When you lose a language," the MIT linguist Ken Hale remarked not long before he passed away, "you lose a culture, intellectual wealth, a work of art. It's like dropping a bomb on the Louvre."

But what exactly is at stake? What, if anything, should be done about it? A number of books over recent years have paid homage to the global sweep of technology and modernity, suggesting that the world is flat, that one does not have to emigrate to innovate, that we are fusing into a single reality, dominated by a specific model of economics, that the future is to be found everywhere and all at once. When I read these books I can only think that I must have been travelling in very different circles than these writers. The world that I have been fortunate to know, as I hope these lectures will demonstrate, is most assuredly not flat. It is full of peaks and valleys, curious anomalies and divine distractions. History has not stopped, and the processes of cultural change and transformation remain as dynamic today as ever. The world can only appear monochromatic to those who persist in interpreting what they experience through the lens of a single cultural paradigm, their own. For those with the eyes to see and the heart to feel, it remains a rich and complex topography of the spirit.

About the speaker: Wade Davis is a Vancouver native, an author, filmmaker, photographer and researcher. He received degrees in biology, anthropology and a PhD in ethnobotany, all from Harvard. He has studied and lived with indigenous peoples in the Amazon Basin, Andes, various Latin American countries, Canada, Haiti, Borneo, Tibet, the Arctic and Kenya. He is widely published. His books include *The Serpent and the Rainbow*, *Passage of Darkness*, *The Clouded Leopard*, *One River* and, most recently *The Wayfinders*. His television credits include the 13-part series *Earthguide*, and the National Geographic series *Light at the Edge of the World*. He currently holds the post of National Geographic Explorer-in-Residence and divides his time between Washington DC and northern BC.