Walmart’s Antiparasite Products
Background

• **Parasite News Stories**
  In 2008, Fox News in Phoenix reported a story about a woman named Rosemary Alvarez whose doctor diagnosed a brain tumor. During brain stem surgery, her surgeon found a live worm.
Background

Rosemary’s surgeon, Dr. Peter Nakaji, a neurosurgeon at the Barrow Neurological Institute, is in the Fox television news report. He explains that an MRI scan revealed a foreign growth at her brain stem that looked just like a brain tumor.

Brain Worm
https://www.youtube.com/watch?v=sJCh7bR1Nf0&has_verified=1

Google has added age verification to this video that has had 2,196,930 views.
Background

Dr. Nakaji explains that he has had 5 other patients with similar problems.

Brain Worm
https://www.youtube.com/watch?v=sJCh7bR1Nf0&has_verified=1

Google has added age verification to this video that has had 2,196,930 views.
Types of Parasitic Worms

The worm that infected Rosemary’s brain is called a nematode, or a round worm. There are three different types of worms that can infect humans:

a. Nematodes - roundworms
b. Trematodes - flatworms
c. Cestodes - tapeworms
Background

At a TED Conference in 2007, naturalist Edward Osborne Wilson was given an award for his contributions to the planet. As he accepted his award, Wilson talked about disease-causing parasites: 60,000 species are known, but more than 1.5 million have been estimated to exist.
Wilson:

Consider the nematode roundworms, the most abundant of all animals. Four out of five animals on Earth are nematode worms. If all solid matter on Earth were to be eliminated except the nematodes, you could still see the ghostly outline of most of it in nematode worms.
Background

• **Other Parasites (continued)**
  Small parasitic microorganisms can also cause disease. Examples include:
  
  a. Single-celled Protozoans
  b. Dinoflagellates
  c. Coxsackie virus
  d. Borrelia burgdorferi (bacterial spirochete)
  e. Mycoplasma hominis
  f. Shigella
  g. Prion protein
Background

• **Parasite News Stories**

In 2012, Kathleen McAuliffe, an award-winning writer whose work has appeared in *The New York Times, Smithsonian, Discover* and *The Atlantic*, wrote a story about Dr. Jaroslav Flegr, a parasitologist and professor of biology at Charles University in Prague.

Since the 1990s, Dr. Flegr has studied a protozoan parasite called *Toxoplasma gondii.*
Background

Toxoplasma gondii is a single-celled organism that has been linked to bipolar disorder, epilepsy, schizophrenia, Parkinson’s disease and dementia including Alzheimer’s disease.

Photo of Dr. Jaroslav Flegr from Kathleen McAuliffe’s “How Your Cat Is Making You Crazy,” The Atlantic, Feb 6 2012
Background

• **Veterinary Botanical Medical Association**
  
  Dr. Susan Wynn, DVM, CVA, CVCH, AHG, created the Veterinary Botanical Medical Association (VBMA, vbma.org) in 2002. Dedicated to developing responsible herbal practice, the association has an online roster of veterinarians in 45 states and 15 countries around the world.
Background

• **VBMA (continued)**
  
  Events include VBMA Webinars, an ACVBM Annual Conference, a NYCAVMA Annual Conference and an International Herb Symposium and a VBMA International EcoTour. VBMA also offers “Veterinary Herbalist” certification to veterinarians and “Veterinary Herbalism Educator” certification to non-veterinary herbalists.
Background

• **Killing Parasites**

  Parasites can be killed with sound, iodine, a few strong herbs and a deep freeze. These measures are the most reliable because the Environmental Protection Agency (EPA) banned agriculture’s only effective nematicide in 2010 (chemically known as Aldicarb).
Background

• **Killing Parasites With Sound**

In 2005, Dr. Amir Hossein Mahvi at Tehran University of Medical Sciences, School of Public Health, led a team of scientists who investigated the inactivation of nematodes using ultrasonic sound wave energy. Their results, published in the *Journal of Medical Sciences*, showed that nematodes could be 100% eradicated in 12 minutes using 42 kHz of sound energy in a sonicator.
Background

- **Sonicator**
  
  Dr. Mahvi’s team used a Bransonic bath, or sonicator, to kill nematodes. The device has a tank that is filled with water and sound energy in the ultrasonic range is pulsed into the tank.

  Ultrasound is sound waves with frequencies higher than the upper audible limit of human hearing. The upper range for human hearing is 20 kHz.
Background

• **Killing Parasites With Iodine**
  Lugol’s Iodine is a famous, 190 year-old, French, water-based iodine/potassium iodide solution discovered by Jean Guillaume August Lugol (1788-1851). Lugol spent two decades treating a type of extrapulmonary tuberculosis called scrofula and wrote four books about iodine treatments he developed at Saint Louis Hospital in Paris. Extrapulmonary tuberculosis is a form of tuberculosis that infects parts of the body other than the lung.
Background

• **Killing Parasites With Iodine (continued)**
  Lugol was one of the first scientists to be published in the British scientific journal called *The Lancet* describing his success with his iodine solution treating skin disease.

In retrospect, Lugol’s success was most likely due to iodine’s potency as an antiparasite. Today, scientists associate chronic rash with intestinal parasites. Suffixes “iasis” and “osis” are used at the end of parasite scientific names to mean “infection with.”
Killing Parasites With Iodine (continued)
In 2015, Dr. Omar Lupi, with the Federal University of Rio de Janeiro led a team of researchers who reviewed helminth (worm) infections that cause skin manifestations in two parts. Part I reviewed nematode worms causing onchocerciasis, filariasis, gnathostomiasis, loiasis, dracunculiasis, strongyloidiasis, ascariasis, streptocerciasis, dirofilariasis, and trichinosis. Part II reviewed trematodes causing schistosomiasis, paragonimiasis, and fascioliasis and cestode worms causing sparganosis, cysticercosis, and echinococcosis.
Other studies explore the relationship between Giardia lamblia, a flagellate, and skin. Dr. Lupi’s study and the studies exploring Giardia lamblia are archived in the American National Library of Medicine. People with chronic skin infections can Google the names of these infections. If the letters “nih” are added to a Google search, the search engine will return links to studies archived in the National Library of Medicine.
Background

• **Taking Lugol’s Iodine as a Preventative**
  On August 1, 2007, the U.S. government’s Drug Enforcement Agency (DEA) passed a ruling restricting the sale of chemical mixtures containing over 2.2 percent iodine. The ruling exempts transactions of up to one fluid ounce (30 ml.) of Lugol’s 5% Solution in single sale transactions. Dr. Hulda Regehr Clark, Ph.D. (1928-2009), an independent naturopathic research scientist, recommended using a 5% solution.

Today, one ounce bottles are available for sale. This size contains 500 drops.
Background

• **Lugol’s Iodine as a Preventative (continued)**
  Humans of any age can take Lugol’s Iodine Solution. Wild and domesticated animals also benefit. Daily dosages:

  • 1 drops for wildlife
  • 6 drops for goats
  • 12 drops for cows
  • 1 drops for children (3 times a day)
  • 3 to 9 drops for adults (3 times a day)
Background

- Lugol’s Iodine as a Preventative (continued)
  In the early 1960s, an otolaryngologist named DeForest Clinton Jarvis (1881-1966) wrote Folk Medicine: A Vermont Doctor’s Guide to Good Health that remained on the The New York Times bestseller list for two years. Jarvis promoted the use of apple cider vinegar with 2 drops of Lugol’s Iodine Solution to keep the acidity of the body more acidic than alkaline. A few other independent researches have discovered that parasites thrive in alkalinity. An apple cider vinegar drink would make the body inhospitable to parasites.
Background

- **Lugol’s Iodine and Apple Cider Vinegar**

*Dr. Jarvis’ Folk Medicine* book contains five Lugol’s Iodine remedies for cows:

- When mixed with water, Lugol’s Iodine and apple cider vinegar is a remedy for acute mastitis.
- When added to a dairy ration, Lugol’s Iodine and apple cider vinegar will decrease the bacteria count of milk.
- Lugol’s Iodine and apple cider vinegar cures Bang’s Disease.
Background

- **Lugol’s Iodine and Apple Cider Vinegar**
  
  Dr. Jarvis’ *Folk Medicine* book contains five Lugol’s Iodine remedies for cows (continued):
  
  - Lugol’s Iodine and apple cider vinegar reduces cattle grubs
Background

• Killing Parasites With Iodine (continued)
  Saturated Solution of Potassium Iodide (SSKI) is a salt and water mixture that is also effective as an antiparasite. While the Drug Enforcement Agency (DEA) has limited the sale of iodine crystals, potassium iodide crystals are not regulated. This salt can be purchased from companies that sell products to science teachers.
Background

- **SSKI as a Preventative**
  Dr. Jonathan V. Wright, founder of Seattle’s Tahoma Clinic, has successfully used SSKI in his practice for over 30 years.

A saturated solution of potassium iodide is also used in nuclear emergencies. In January 2018, *The New York Times* and *NPR* Radio reported a spike in the sale of potassium iodide after a Twitter battle over the size of “nuclear buttons” possessed by President Trump and North Korea’s Kim Jong Un.
Background

- **SSKI as a Preventative (continued)**
  Radioactive Iodine (Radioactive iodine-131) is a radioisotope that is released in a nuclear power plant accident and a nuclear bomb explosion. If the thyroid gland is saturated with non-radioactive iodine, the gland will be prevented from taking up the radioisotope.

The salt is easy to obtain and a solution can be made and stored in a brown glass dropper bottle.
Background

• **SSKI as a Preventative (continued)**
  The recipe for making two ounces of SSKI is as follows:

  2 ounces of potassium iodide (KI) equivalent to 4 tablespoons or 56.7g.

  Spring or purified water

From Cresson H. Kearny’s *Nuclear War Survival Skills* by Oak Ridge National Laboratory (from www.ki4u.com):
SSKI as a Preventative (continued)

To prepare a saturated solution of potassium iodide, fill a bottle about 60% full of crystalline or granular potassium iodide. (A 2-fluid-ounce bottle, made of dark glass and having a solid, non-metallic, screwcap top, is a good size). About 2 ounces of crystalline or granular potassium iodide is needed to fill a 2-fluid-ounce bottle about 60% full. Next, pour safe, room-temperature water into the bottle until it is about 90% full. Then close the
Background

• **SSKI as a Preventative (continued)**
  bottle tightly and shake it vigorously for at least 2 minutes. Some of the solid potassium iodide should remain permanently undissolved at the bottom of the bottle; this is proof that the solution is saturated.

Daily dosages:

• 2 drops for wildlife
• 2 drops for children
  (3 times a day)
• 6 drops for adults
  (3 times a day)
Background

- **SSKI as a Preventative (continued)**
  SSKI has a bitter taste compared to Lugol’s Iodine Solution. You will need to use it in a beverage with a strong taste that can mask the bitterness (e.g. tomato or cranberry juice).
Background

- **Taking Thyme Tincture as a Preventative**
  D. Gary Young (1949-2018), former CEO of Young Living Essential Oils and writer, taught that Thyme kills hook-worms, roundworms, threadworms and skin parasites.

  Gary also taught that Thyme destroys Cryptococcus neoformans, Aspergillus, Saprolegnia, Salmonella, typhimurium, Staphylococcus aureas, and Escherichia coli.
Background

- **Thyme Tincture as a Preventative (continued)**
  Humans of any age can take Thyme tincture. Wild and domesticated animals also benefit. Daily dosages:
  - 4 drops for wildlife
  - 4 drops for children
    (3 times a day)
  - 12 drops for adults
    (3 times a day)
Background

- **Killing Parasites With Powdered Neem**
  
  This broad-leaved woody perennial yields fruit, seeds, and foliage containing several compounds that repel or kill insects and helminths (worms). These compounds also inhibit the growth and development of fungi, and limit the infective ability of plant viruses. W.R. Grace and the U.S. Dept. of Ag attempted to patent Neem in 1995. India sued and won after a court battle that took 10 years (Google Neem 2005 BBC india).
• **Killing Parasites With Neem Powder and Oil**


From the Barnes & Noble site:

The National Research Council is made up of members of the National Academy of Sciences. Spanning a wide range of practical applications, neem was found to be extremely valuable as an insecticidal
Background

- Neem (continued)

agent, a medicinal product and as an industrial component. The studies that are discussed in the book show that neem is one of the most valuable natural resources to solve a wide variety of global issues and concerns. The book contains extensive information including citations, safety tests and resources for follow up.
Background

- **Taking Powdered Neem as a Preventative**
  One quarter of a teaspoon of Neem powder can be combined with three English Breakfast tea bags in an drip coffee maker paper filter, brewed and chilled to make Neem Iced Tea.

  This beverage is only suitable for adults over age 20.

  Quart or half gallon-size Mason jars are suited for refrigerating the tea (serve the tea in 15 to 16 ounce glasses)

  Organic Stevia is a good choice as a sweetener.
Background

• **Using Neem Oil as an Insecticide**

  In their book, the National Research Council explains that the chemicals present in Neem are a potent nematicide, yet it will not harm Earthworms, butterflies and bees.

  Arbico Organics sells a Monterey brand 70% Neem Oil product in a pint bottle with a hose end connector. The oil is OMRI listed and is available from Arbico directly, or from Home Depot (previously, Walmart sold the pint bottles by the case).
Background

- **Killing Parasites With a Deep Freeze**

Dr. Hulda Regehr Clark, Ph.D. (1928-2009), an independent naturopathic research scientist and author who searched for the cause of cancer for over fifteen years, discovered that parasites die if they are frozen at a temperature of -20 degrees Fahrenheit (-28.8889 Celsius) if they are left in the deep freeze for a minimum of 24 hours.

The temperature of most home freezers cannot be set below zero degrees Fahrenheit and the EPA is recommending a freezer temperature of 3 degrees Fahrenheit.
Background

• **Killing Parasites With a Deep Freeze (continued)**
  Laboratory freezers can be set to -45 degrees Celsius and below.

A small number of nematode species can survive temperatures as low as -80 degrees Celsius which means that more than one antiparasite remedy should be used.

In July 2018, Dr. Pratap Kafle, with the School of Veterinary Medicine, University of Calgary, Calgary, AB Canada, led a team of researchers to investigate
Background

• **Killing Parasites With a Deep Freeze (continued)**
  temperature-dependent development and freezing survival of protostrongylyid nematodes in the Canadian Arctic. The researchers found at least one species of nematode that survived a temperature of -80 degrees Celsius for 180 days.
Products

Kendal Commercial grade 980 watts 5.55 gallon (21 liters) heated ultrasonic cleaner

• 42 kHz is the frequency used by Dr. Amir Hossein Mahvi’s team

• Reliable mechanical control for setting up temperature and time.

• Product size: 21”x13”x13”
Products

J.CROW’S Lugol’s Solution of Iodine 5%

- 1 drops for wildlife
- 1 drops for children (3 times a day)
- 3 to 9 drops for adults (3 times a day)

J.CROW’S Lugol’s Solution of Iodine 5%, Walmart, $24.95
Products

Folk Medicine: A New England Almanac of Natural Health Care from a Noted Vermont Country Doctor (Paperback)

- Published in May 1985
- Natural medicine from the Green Mountains of Vermont

Folk Medicine- A New England Almanac of Natural Health Care from a Noted Vermont Country Doctor (Paperback), Walmart, $6.99
Products

Potassium Iodide - 100% Pure USP Powder - 24% K / 76% I

- One pound
- 454 grams

Potassium Iodide - 100% Pure USP Powder - 24% K / 76% I, Walmart, Not available at this time, check the site.
Nasco (Ft. Atkinson, Wisconsin) was started in 1941 by vocational agricultural teacher, Norman Eckley

- 56.7 grams are needed to make a 2 oz. bottle of SSKI
- Shelf Life: 12 months

Potassium Iodide - Reagent Grade - Granular - 100 grams, Product Number: SA09682, www.enasco.com, $24.95
Products

Piping Rock Dropper Bottle 2 fl oz Amber Glass Bottle (59 ml)

- Brown glass absorbs the most ultraviolet radiation, at wavelengths shorter than 450 nm (nanometers), so it offers the best protection from potentially damaging light

Piping Rock Dropper Bottle 2 fl oz Amber Glass Bottle (59 ml), Walmart, $6.79
Products

Thyme Extract
Eclectic Institute
1 oz Liquid

- 2 drops for wildlife
- 2 drops for children (3 times a day)
- 6 drops for adults (3 times a day)

Thyme Extract Eclectic Institute 1 oz Liquid, Walmart, $15.42
Products

Tazo Awake English Breakfast Black Tea Filterbags (48 count)

- 48 individually wrapped tea bags
- Starbucks bought Tazo in 1999 for $8.1 million
- In November 2017, Starbucks sold Tazo to Unilever for $384 million.

Tazo Awake English Breakfast Black Tea Filterbags (48 count), Walmart, $5.98
Organic Neem Leaf Powder

- 1 lb (453 g)
- Latin Name: *Azadirachta indica*

Organic Neem Leaf Powder, Walmart, $21.43
Products

Mr. Coffee 12-Cup Switch Coffee Maker, White

- Can be used to brew tea
- Makes 12, six ounce cups (a total of 72 oz)
- Cold Neem Iced Tea tastes better than hot
- Very reliable
- Needs basket style filter paper (unbleached)

Mr. Coffee 12-Cup Switch Coffee Maker, White (CG12), Walmart, $17.88
Products

Melitta 8-12 Cup Brown Basket Coffee Filters, 200 Ct

- Unbleached (chlorine-free)
- Chlorine reacts with organics and produces nitrogen trichloride, aldehydes, halogenated hydrocarbons, chloroform, trihalomethanes and chloramines

Melitta 8-12 Cup Brown Basket Coffee Filters, 200 Ct, Walmart, $2.48
Products

Ball Smooth-Sided Mason Jar with Lid and Band, Regular Mouth, 32 Ounces, 12 Count

- Quart size, regular mouth
- Needs a plastic, BPA-free cap
- Smooth face and sides with minimized logo, easy to grip

Ball Smooth-Sided Mason Jar with Lid and Band, Regular Mouth, 32 Ounces, 12 Count, Walmart, $10.47
Products

JARDEN HOME BRANDS 1440036010 Ball 8Pack Plastic Storage Cap

- Regular size
- Use these plastic caps for versatile storage
- 8 reusable plastic storage caps

JARDEN HOME BRANDS 1440036010 Ball 8Pack Plastic Storage Cap, Walmart, $6.89
Products

JARDEN HOME BRANDS 68100 Ball 6Pack 1/2Gallon Wide Mouth Jar

- Half-gallon (2 quart)
- Needs a plastic, BPA-free cap

JARDEN HOME BRANDS 68100 Ball 6Pack 1/2Gallon Wide Mouth Jar, Walmart, $10.98
Products

Ball Plastic Storage Caps 8/Pkg Wide Mouth

- 8 reusable wide mouth plastic storage caps
- Also suited for food storage (pint, quart-size, or half gallon Mason jar)

Ball Plastic Storage Caps 8/Pkg Wide Mouth, Walmart, $6.79
Products

Libbey 4808 Clear 16 Ounce Pub Glass - 24 / CS

- 16 ounces, 3 times a day is a Neem Iced Tea maintenance dose
- Safedge Rim Guarantee

Libbey 4808 Clear 16 Ounce Pub Glass - 24 / CS, Walmart, $77.88
Products: Large Groups

BUNN VPR-APS Pourover Thermal Coffee/Tea Brewer with 2.2L Airpot, Stainless Steel, Black

- Pourover brewer requires no plumbing. Just pour cold water in top and tea brews immediately
- Comes with a 2.2 L airpot that may be lined with nickel stainless steel (glass lined airpots are preferred since the EPA classified nickel as carcinogenic in 2012)

BUNN VPR-APS Pourover Thermal Coffee Brewer with 2.2L Airpot, Stainless Steel, Black, Walmart, $341.38
Products: Large Groups

BUNN 2.5 Liter Push-Button Airpot, Glass Lined

- Use 6 tea bags instead of 3
- Use 1/2 teaspoon of Neem powder
- Insulation keeps beverage hot for hours
- Brew-through pump assembly
- Just close the lid after brewing and up to 4 oz dispenses at the first pump

BUNN 2.5 Liter Push-Button Airpot, Glass Lined, Walmart, $47.49
9 3/4” x 4 1/2” Unbleached Natural Coffee Filter 12 Cup - 1000/Case (Commercial)

- Unbleached (chlorine-free)
- Chlorine reacts with organics and produces nitrogen trichloride, aldehydes, halogenated hydrocarbons, chloroform, trihalomethanes and chloramines

9 3/4” x 4 1/2” Unbleached Natural Coffee Filter 12 Cup - 1000/Case, Amazon, $23.89
Products:

Monterey 16 oz. Neem Oil (called Monterey Fruit Tree Spray Plus from Arbico Organics)

- OMRI Listed
- Pint Bottle
- Covers up to 5,000 sq. ft.

Monterey 16 oz. Neem Oil, Home Depot, $23.99