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The Dispatch

"An Insect-O-Cutor® and Germ-O-Ray® Newsletter"



SPRING 1999

FROM THE EDITOR:

ONCE UPON A TIME the lowly cockroach was the most feared pest within all the world. Filth, disease, mobility... the roach has it all. However, new findings show the roach has some serious competition for the title of the world's worst! This new contender is none other than — the FLY ! Our lead article "Flies and Disease" shares new information on this world's worst title fight.

What else is new? Well, we've done it again — added even more models to our impressive list of Insect-O-Cutors®. New for '99 are the industrial glue-board fly traps. This issue of *The Dispatch* presents introductory information on our new Guardian® Hanging and Portable Models as recently advertised in your favorite magazines.

As always, we'd love to hear from you. Whether you'd like to use an article for your own newsletter or provide materials for our next newsletter, we'd appreciate any comments, suggestions, and even criticism! Till next time... ED.

Dispatch

Dis·patch (dīs·päch')

tr.v. to send off to a specific destination; to complete or dispose promptly of; to put to death summarily; *-n.* a written message sent with speed; a news item.

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Flies and Disease – The Awful Truth

We always suspected it; but with the recent release of numerous scientific and medical studies, it is now more credibly known that flies not only carry disease, but they *spread* disease to you and me.

According to a study published in Regulatory Toxicology & Pharmacology (V. 28, n.3, Dec. 98), Alan R. Olsen with the USDA found that 47 species of flies (known as "filthy flies") are reliably associated with filthy conditions that might allow the spread of foodborne pathogens.



Of those 47, 21 species (known as "disease-causing flies") represent a threat to human health as *proven* "causative agents of myiasis" [the infestation of human tissue by fly maggots] "or as carriers of enteropathogenic Escherichia coli, Salmonella, Shigella, and other foodborne pathogens".

Within HACCP and other U.S. FDA frameworks, disease-causing flies are considered contributing factors to the spread of foodborne diseases that require both preventive and corrective actions.

Another recently released study (found within the medical publication "The Lancet" [V. 325]) addresses a connection between Helicobacter pylori and flies.

Continued on Page 3

Everything Engineers Want: Germ-O-Ray® Air Disinfection Developments

An important consensus is being formed to address indoor air quality issues through the use of germicidal air disinfection fixtures such as Germ-O-Ray® equipment.

This past January, the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) presented "white papers" examining the use of wall mounted Germ-O-Ray®-type equipment to combat the spread of airborne microbes.

Papers prepared by Professors Melvin W. First, Sc.D., P.E. and Edward A. Nardell, M.D. of Harvard, Richard Riley M.D. of Johns Hopkins University, and William Chaisson, P.E. presented guidelines for the practical installation and use of germicidal wall fixtures to purify air.

Their conclusions found that "germicidal irradiation technology is an economical substitute for increased mechanical air exchange rates as an effective means of improving air hygiene and reducing communicable airborne disease transmission".

The engineers have spoken: Economical and effective, Germ-O-Ray® is prepared to meet their needs. If you're concerned about indoor air quality, then please call.

UV-A METERS NOW AVAILABLE

It's true that insect attraction lamps will emit visible light well past their ultraviolet (UVA/Black Light) rated life of 7000 hours... approximately nine months. To ensure that your equipment is operating at its peak efficiency, Insect-O-Cutor® now makes available a convenient, hand-held assessing tool – the UV light meter (Part No. LMUVA). The UV-A Meter has two primary functions:



- ✓ **CHECKING**
ultraviolet output of existing lamps and...
- ✓ **ASSESSING**
ambient UV levels for optimal setting of new Insect-O-Cutors®.

The UV-A Meter, a precision optical instrument, is convenient in size (about that of a remote control) with a 5-LED display providing a general indication of a lamp's condition.

YOU, TOO ? – THE “SHATTERPROOF” LAMP TREND

Perhaps it's the FDA's 1999 Food Code 6-202.11 specifying the use of protective shielding on light bulbs, or perhaps it's just a good manufacturing practice; whichever, we've noticed an increasing demand for “shatterproof” insect attraction lamps.

If you're in the need of such lamps, please keep in mind that **not all shatterproof lamp coatings are the same**. Indeed, only a precious few actually allow for UV-light transmission; the majority of lamp coatings simply absorb the UV energy (rendering your lamp ineffective).

Insect-O-Cutor® helped to pioneer the use of shatterproof UV lamps. Give us a call if we can help.

MOSQUITO CONTROL – A Deadly Diet !

University of Florida scientist, Dr. Dov Borovsky, has perfected a mosquito “diet pill” which alters a mosquito's digestion, effectively starving the pest to death.

Not yet commercially available, the pill (environmentally friendly) contains a mosquito's digestive control hormone. This hormone is introduced to chlorella (algae) which acts as the delivery vehicle for the hormone.

The pill may be introduced to any body of water where mosquitoes are known to breed. As mosquito larvae feed on the altered algae, their digestion is interrupted – and **within 72 hours, the larvae starve to death**.

With over 3000 mosquito species worldwide (acting as hosts for a variety of diseases), it is hoped this control measure can reduce the millions killed each year from mosquito-borne diseases such as malaria!

“UNOBTRUSIVE PRESENCES”...by D. Johnson

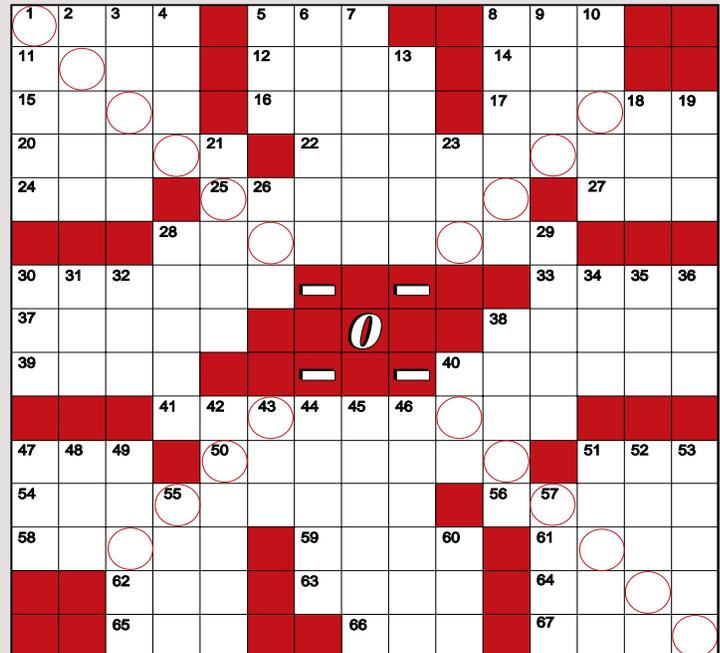
ACROSS

1. Atoll
5. Spots
8. An Irwin
11. Heredity bases
12. Corner
14. Sea eagle
15. Bridge seat
16. Grades? *Him an A, her a B, but _____*
17. Stumper; sitter
20. Locales
22. Found in Tibet?
24. Max. Macks?
25. Shrub (tea family)
27. C.S.A. “Johnny _____”
28. Unlike milk maidens!
30. 5th U.S. president
33. Beatty namesakes
37. Hammerin' Hank
38. Roping Lash
39. Attract (like flies)
40. Acclaimed journalist Edward R. _____
41. Evil-worshipping
47. Tater _____
50. Sask. School (est. 1974)
51. Cool, baby!
54. 11A. professional
56. Plant opening?
58. Two under par
59. Swerve
61. Elihu
62. Road curve
63. Irish homeland

64. Monster
65. Sr. citizen title
66. _____ Cone
67. Anilines

DOWN

1. That is (Lat.)
2. _____ Mail
3. Endures
4. Princely family (Ital.)
5. Auto-bank (abbrev.)
6. Fantasy-like
7. Marine tool !
8. Membraned
9. Weight system
10. Indy champ Al
13. Colon bacillus
18. Summer (Fr.)
19. Barbecue staple
21. 11A. inheritor
23. Walter Scott (i.e.)
26. Corroded
28. Not a charm?
29. Tangle; growl
30. Loony
31. Rowing member
32. Gun org.
34. To _____ is human
35. Sonny and Cher?
36. Stitch (up)
38. Feasts in Oahu
40. “Working for the _____”: Leo. Skynard
42. “Papa” Hemingway
43. N.Y. opera house (with “the”)
44. Pointed arch



DOWN — CONTINUED

45. American Japanese
46. Student in practice
47. Prolif auth. (init.)
48. Wood sorrel (S.A.)
49. Golf Woods
51. Party dance
52. Love, Italian style
53. Some are blind
55. Ultimatum (with “or”)
57. Walked
60. Vintage auto

“Flies and Disease” – Continued From Page 1

Helicobacter pylori are bacteria which attack the stomach's mucosal lining; leading to infection and gastric ulcer formation. Often unknown, one suspected cause of infection is the oral ingestion of infected material. Material (foodstuffs) can become infected after contact with an insect hosting the

bacterium. The published study reveals an association between the levels of H. pylori found within humans and the levels carried by local houseflies. It is not known how much H. pylori is conveyed by flies; but the studies show the possibility of H. pylori transmission from fly to human.

“NEW FOR 1999” – INDUSTRIAL GLUE BOARD FLY TRAPS

As the old saying goes, “Necessity is the mother of invention”. Insect-O-Cutor® understands that certain settings call for certain types of pest control (non-zapping) and that certain locations can greatly limit the type of equipment you would normally install. Our two newest Guardian® Glueboard Fly Traps are designed to address such concerns.

Model GBH362, Insect-O-Cutor's® **Hanging Guardian® Glueboard Fly Trap**, provides a practical trapping solution for areas where wall space is either unavailable or at a premium. With an open base, open top, and slanted sideboards for insect-attracting UV light emission, the GBH362 has over 288 square inches of escape-proof trapping surface... perfect for areas with open product.



Model GBP242, Insect-O-Cutor's® **Portable Guardian® Glueboard Fly Trap**, is more than a portable model! With keyhole slots and threaded jack-nuts, the versatile GBP242 is perfect for wall mounting or hanging.

The unit's two glueboards provide 200 square inches of escape-proof insect trapping surface.

The construction finish is a heavy-gauge **STAINLESS STEEL**. Also, these new Insect-O-Cutor® Hanging and Portable Guardian®



Glueboard Fly Traps use **ENERGY EFFICIENT** components to reduce electrical consumption – saving you money! Each unit is shipped complete with black light lamps and sticky glueboards.

{FDA/USDA ACCEPTABLE EQUIPMENT}

Don't forget to relamp with genuine Insect-O-Cutor® Black Light (BL) and Black Light Blue (BLB) Replacement Lamps – available safety-coated or standard. One-stop lamp shopping includes U-tubes and other hard-to-find tubes; germicidal too!

Thanks !

With every purchase of Insect-O-Cutor® equipment, you're helping us to provide financial support to one of our primary charities – **Guide Dogs for the visually impaired.**

And with your continued business, we are able to support four different training programs.



We encourage you to learn more about the various guide dog programs for the visually impaired. Resources include:

<http://www.guidedog.org>
<http://www.guidedogs.com>

Guide Dog Foundation
Smithtown, New York
..... 516-265-2121

Canine Assistants
Alpharetta, Georgia
..... 770-664-7178

Guide Dogs For The Blind
San Rafael, California
..... 415-499-4000

Guide Dogs of America
Sylmar, California
..... 818-362-5834

Thanks again!

