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The Dispatch



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

SPRING 2000

FROM THE EDITOR:

Well, folks, it's been a long winter... harsh for some, mild for others. In any case, Springtime brings with it a new beginning for one and all. And as the forerunner in our industry, we've welcomed the season with yet another product innovation (see "Universal Units" opposite this column).

New to *The Dispatch* is "Tech Corner" in which your questions, technical or otherwise, are invited. Our staff of engineers will answer as many as space permits in future issues of this newsletter.

And, because so many of you are under regulation by an array of government bureaus, agencies, whatever... we've addressed ways in which the Insect-O-Cutor® product interfaces with this ever-increasing barrage of compliance issues (see "How Do Insect-O-Cutors® Help?").

For charge card users, you'll be happy to learn American Express has been added to our payment methods (see Page 4).

And, you'll not want to miss our "Sightings" contest. No, not Elvis. Insect-O-Cutors® in unique places!

Till next time... THE ED.

Dispatch
Dis·patch (dĭs·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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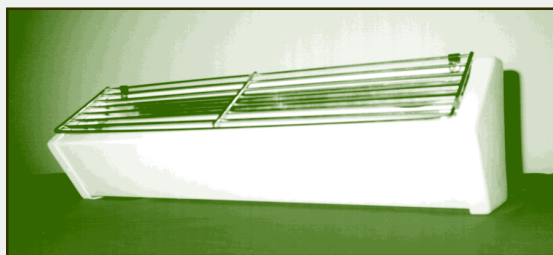
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UNIVERSAL UNITS – Glueboard units for any voltage!

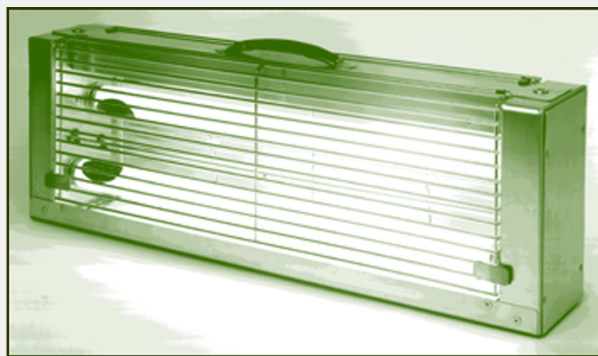
Beginning this summer (2000), Insect-O-Cutor® is pleased to introduce "universal" Guardian® Glueboard Fly Traps.

Being "universal", these models will accommodate or accept virtually any type of electrical power supply voltage: 110 Volt/60 Hz; 220 Volt/50 Hz; 220 Volt/60 Hz; 277 Volt/60 Hz.... And, as nearly any voltage can be accepted, these units can also handle power supply "spikes" and "drops". Such versatility is perfect for markets with multiple voltages (Latin America) and inconsistent power supplies (late summer "brownouts").



WALL MOUNT MODEL GBU18

In addition to increased versatility, these "universal" fly traps are energy-efficient; that is, these units employ electronic ballasts (not magnetic ballasts). These "intelligent" electronic ballasts sense the power supply voltage and regulate electrical input to the lamp to meet the lamp's specific requirements; thus, increasing operational efficiency while reducing energy consumption.



PORTABLE MODEL GBU242

So — when you need a reliable, world-ready glueboard unit (perfect for "sensitive/critical" operations), think of Insect-O-Cutor® Guardians® ... because we've already thought of your needs.

HOW DO INSECT-O-CUTORS® HELP?

Besides the obvious answer of catching pests before they reach product, Insect-O-Cutor® equipment can help facilities address a few "formal" requirements related to facility management. Many of these "requirements" are known as common acronyms; such as GMP, HACCP, SSOP, and others.

Good Manufacturing Practices (GMP's) are derived from the Federal Register's Code of Federal Regulations as they apply to various industries. And as the name suggests, GMP's outline simple "good manufacturing practices", such as: maintaining a pest-free facility.

See "Shatterproof" on Page 3

Germ-O-Ray® ... "THE YEARN TO LEARN"

Interest and demand for effective indoor air quality (IAQ) devices is continuing to grow. To help interested parties learn more about Germ-O-Ray® type equipment, IAQ program/standards, and related topics, we present the following resources to assist you with your self-education efforts. As always, should you have any questions, about IAQ and Germ-O-Ray®, please feel free to call us (770-939-2835).

American Society Of Heating , Refrigerating & Air-Conditioning Engineers (ASHRAE) Ph: 404-636-8400
..... www.ashrae.org

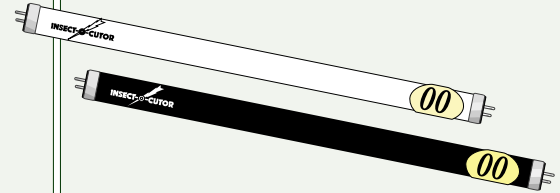
Centers For Disease Control & Prevention (CDC), National Center For Prevention Services, Div. Of Tuberculosis Elimination Ph: 404-639-1819
..... www.cdc.gov

American Industrial Hygiene Association (AIHA) Ph: 703-849-8888
..... www.aiha.org

Pennsylvania State University, Graduate School Of Engineering - Aerobiological Engineering www.engr.psu.edu/ae/wjkaerob.html

READY... FOR THIS YEAR'S INSECT ONSLAUGHT?

Replace the black light lamps in all your insect electrocutors if the lamps have been used for a full season. At the same time, inspect ballasts, transformers, lampholders, insect collection trays/drawers, and other parts for serviceability.



Lamps, replacement parts, and other needs are available for immediate shipment from stock. Don't delay in getting your system up to par. Spring clean now.

LIGHT BLUE (BL)... DARK BLUE (BLB)... WHAT'S THE DIFFERENCE?

Insect-O-Cutor® equipment is equipped with two types of near ultraviolet (UV) lamps — one light blue (known as a BL lamp) and one dark blue (known as a BLB lamp). A combination of both lamps is used to provide you with the most complete insect attraction currently available from insect light traps.

The BL lamp, which emits both visible light and uv-light, has been found to be very attractive for Diptera; aka, Flies. The BLB lamp, which filters visible light to emit only uv-light, has been found to be very attractive for Lepidoptera; aka, Moths. By combining the two lamp types, Insect-O-Cutor® strives to offer the most complete protection available from any insect light trap.

DAZE Puzzle: In this puzzle, you are seeking the Grand Clue by using simple clues and Bonus Clues. Rows 1 through 10 each contain three "homophones". These homophones appear as Blockword answers in the grid below. You may search from the clue list (1 - 30) to determine where each Blockword answer will fit appropriately. Each clue listed is preceded by a clue number value (i.e., Clue 1 Decant has a clue no. value of 1; Clue 2 Flower has a clue no. value of 2, etc.). Each Row will thus require three Clue Nos. When added across the Row, these numbers will equal the Bonus Clue number. When all 10 Rows are completed, you will have used all clues and clue no. values. Then, when all Bonus Clue Numbers are added down the column, you will have derived the Grand Clue answer to this DAZE puzzle. Row 1 has been completed.

DAZE PUZZLE ANSWERS

CLUE NO.	CLUE	BONUS CLUE	CLUES TOTAL
1	YEW	12	52
2	MAINE	24	65
3	ROSES	14	21
4	POPPY	11	13
5	MEAT	9	50
6	LOUISIANA	22	60
7	REINSTATE	26	43
8	MAIZE	5	66
9	SEASIDE	29	55
10	CRUISE	7	40
GRAND CLUE: TOTAL BONUS CLUE NUMBERS LESS 100 =			365

ROW	BLOCKWORD	CLUE NO.	BLOCKWORD	CLUE NO.	BLOCKWORD	CLUE NO.	BONUS CLUE	CLUES TOTAL
1	YEW	12	EWE	16	YOU	24	CARD DECK	52
2			N		E		RETIREMENT?	
3		S			W		LEGAL AGE	
4		O			U		UNLUCKY?	
5		A			E		U.S. STATES	
6		U			E		DIAMOND ANNIV.	
7		I			A		PETTY NUMBER?	
8		Y					LONELY ROUTE	
9					I		SPEED LIMIT	
10							TWO SCORE	
GRAND CLUE: TOTAL BONUS CLUE NUMBERS LESS 100 =								

- 13 Precipitation
- 14 Chow _____
- 15 Fail
- 16 Barn female
- 17 Rat: puzzle
- 18 Pork
- 19 Rawls and Costello
- 20 Willie _____
- 21 Oceans
- 22 Abut
- 23 Horsehair
- 24 Preposition
- 25 Control
- 26 Lavs (Br.)
- 27 Grasp
- 28 Chief
- 29 Indian corn
- 30 Vera _____

HAVE FUN!

- 1 Decant
- 2 Flower
- 3 Indigent
- 4 Teams
- 5 Rule
- 6 Tom _____
- 7 Stop
- 8 Fish eggs
- 9 Opening
- 10 Dole out
- 11 Tiers
- 12 Tree

SHATTERPROOF — Continued from Page 1

Now related to both GMP's and HACCP (Hazard Analysis Critical Control Point programs) are Standard Sanitation Operation Procedures (SSOP's... yet another acronym!). SSOP's are often tailored specifically for a facility and its unique needs. Some SSOP's we encounter include:

- 1) SSOP Area #ABC: Protection of food, food packaging materials, and food contact surfaces from adulteration, ...pesticides, ...and biological contaminants and,
- 2) SSOP Area #XYZ: Exclusion of Pests from Food Plant and Product.

Of course, one shouldn't forget about Insect-O-Cutor®'s importance to the FDA Food Code! In fact, Insect-O-Cutors® are such a important device within food preparation facilities, the Food Code addresses the equipment specifically within Chapter 6, Section 202.13



(Insect Control Devices), Annex 1, Section 501.111 (Controlling Pests), and Annex 1, Section 206.12-13 (Pest Control & Monitoring).

Additional “formal” topics addressed by Insect-O-Cutor® equipment can include:

- Food Quality Protection Act of 1996
- National Food Safety Act & Residual Pesticide Testing
- The National Energy Policy Act of 1992.

If you should have any questions or wish to talk about any regulatory concerns shown here, please feel free to call Insect-O-Cutor®... 770-939-2835. We're happy to help.

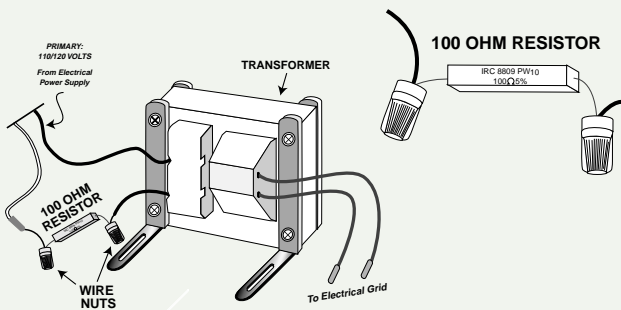
TECH CORNER

Even as Insect-O-Cutor® units are “built to last”, one must still be mindful of Insect-O-Cutor® maintenance. This installment of **TECH CORNER** will address maintenance concerns of the unit's electrical grid (“zapper”).

Q. It won't stop “zapping”. What can I do?

- A. Some environments (humidity and/or dust) and some power supplies (spike or surge) can cause constant arc'ing/zapping. High humidity and/or dust facilitate “electrical creepage”. This is when electrical current seeks and finds a “bridge” to complete and cause an arc'ing connection. When an Insect-O-Cutor®'s power supply spikes, the resultant surge of power can cause arc'ing, too.

To address either of these constant “zapping” scenarios, one can install electrical resistors to the main power supply (before primary power reaches the transformer [see Diagram A]).



Another possible reason for constant arc'ing/zapping may relate to routine maintenance. Many Insect-O-Cutors® are equipped with insect collection trays/ drawers. If the drawers are not emptied routinely, insect carcasses collect and pile up to the electrical grid.

Once the insect build-up contacts the electrical grid, a constant connection is established, and constant arc'ing/zapping could occur. So please, remember to routinely empty your Insect-O-Cutor®.

Q. Why is it that my Insect-O-Cutor®'s lamps will light; but, there isn't any charge/action on the unit's electrical grid?

- A. The most common cause for this situation is a transformer malfunction where either little or no electrical current is reaching the electrical grid. To address this situation, one should disconnect all power to the unit — then examine all transformer and all power supply wires within the unit's electrical box. If wires appear loose or not “grouped” together, then call Insect-O-Cutor® for a wiring diagram and assistance.

Another possible cause for this situation may relate to transformer failure. If this is the case, one will see “burn” marks or holes on one of the transformers two windings. The smaller winding accepts the primary power supply. If damage is evident on the primary winding, then there may be a problem with unit's power line supply (spikes/drops). If damage is evident on the secondary winding, then there may be a problem at the unit's electrical grid. Typical problems at the electrical grid include: a dirty grid which leads to continuous arc'ing; bent grid wires which allow for electrical creepage and constant arc'ing; and insect carcass accumulation up to the electrical grid which completes a circuit. Most of the problems can be addressed with routine maintenance (cleaning).

Q. Can contact with the grid cause injury?

- A. Insect-O-Cutor® uses heavy-duty, industrial transformers that are current-limiting. They produce current at the electrical grid that is less than ten milliamps, which is well below what is termed the “let go” threshold at which muscular contraction occurs. Although contact with the grid is certainly uncomfortable, it has not been known to cause injury.

Next Issue: LAMP BALLASTS!

FREE TEE-SHIRTS! Insect-O-Cutor® Sightings...

Sure... they're primarily designed for industrial and commercial applications – but every now and then an Insect-O-Cutor® is found in an "unusual" setting as in the photo below (King Kamehameha Palace [Hawaii]).

If you encounter an Insect-O-Cutor® someplace "unusual", send us a picture with a brief description of the setting. And if your IOC® sighting picture is published in a future issue of "The Dispatch", you'll receive an Insect-O-Cutor® Tee-Shirt (100% cotton)! So, keep your eyes open... and your camera close by.



CHARGE ...

First it was Visa and MasterCard acceptance in 1999, and now for 2000, Insect-O-Cutor® is pleased to announce that we can accept orders/payments with American Express.



As many IOC® items (units, lamps, and parts) are not of a sufficient expense for capital expenditure purchases, our acceptance of American Express, Master Card and Visa should assist you with your procurement needs. And, of course, good ol' fashioned purchase orders are still accepted!

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VISIT OUR WEB SITES:

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AVAILABLE IN ENGLISH AND ESPANOL

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