CLAIMS

1. A trap (10) for catching insects comprising
    a. a housing (12);
    b. a cover (14);
    c. one or a plurality of insect attracting lights (16);
    d. an insect catching means (18); and
    e. one or a plurality of UVC lamps (20) capable of destroying air-borne pathogens which is/are positioned towards the top (28) of the trap;

    characterised in that the insect catching means (18) comprises a glue board (18a), positioned within the housing (12) and at least one insect attracting light is disposed at the bottom of the trap, such that an air flow is generated from the bottom towards the one or a plurality of UVC lamps (20) which are positioned laterally across substantially a full width of the insect catching means (18) so as to ensure that substantially all of the air circulating, as a result of convection, is exposed to radiation from the UVC lamp(s) so as to sterilize or destroy airborne pathogens picked up in a convecting air stream.

2. A trap (10) for catching insects as claimed in claim 1 further comprising a UVC protective screen (32) to shield the lamps from view.

3. A trap (10) for catching insects as claimed in claim 1 or 2 wherein the UVC lamp(s) is positioned towards the top (28) of the trap such that it acts upon air which has passed across or over the majority of the insect catching means (18).

4. A trap (10) for catching insects as claimed in any of the proceeding claims wherein the cover comprises a plurality of openings (26) allowing insects to enter the trap and facilitate circulation of air across the insect trap means (18).

5. A trap (10) for catching insects as claimed in claim 4 wherein the openings are elongate openings which traverse the cover laterally and comprise angled blades.

6. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising a sized opening (30) at the top (28) of the trap for facilitating a controlled flow of air.

7. A trap (10) for catching insects as claimed in any of the proceeding claims wherein the cover is made of a translucent or opaque material.

8. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising light reflectors (24).

9. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising a fluorescent high frequency electronic ballast.

10. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising one or more of: a perimeter frame (12'), supporting the insect attracting lights (16), which is hinged (22) to a back frame (12"); and shields (34), each of which sealably protect the lights and their electrical fittings from water ingress.

CLAIMS

1. A trap (10) for catching insects comprising
    a. a housing (12);
    b. a cover (14);
    c. one or a plurality of insect attracting lights (16);
    d. an insect catching means (18); and
    e. one or a plurality of UVC lamps (20) capable of destroying air-borne pathogens which is / are positioned towards the top (28) of the trap;

    characterised in that the insect catching means (18) comprises a glue board (18a), positioned within the housing (12), and at least one insect attracting light is disposed at the bottom of the trap such that an airflow is generated from the bottom towards the one or a plurality of UVC lamps (20) which are positioned laterally across substantially a full width of the insect catching means (18) so as to ensure that substantially all of the air circulating as a result of convection is exposed to radiation from the UVC lamp(s) so as to sterilize or destroy air-borne pathogens picked up in a convecting air stream.

2. A trap (10) for catching insects as claimed in claim 1 further comprising a UVC protective screen (32) to shield the lamps from view.

3. A trap (10) for catching insects as claimed in any of the proceeding claims wherein the cover comprises a plurality of openings (26) allowing insects to enter the trap and facilitate circulation of air across the insect catching means (18).

4. A trap (10) for catching insects as claimed in claim 3 wherein the openings are elongate openings which traverse the cover laterally and comprise angled blades.

5. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising an opening (30) at the top (28) of the trap for facilitating a controlled flow of air.

6. A trap (10) for catching insects as claimed in any of the proceeding claims wherein the cover is made of a translucent or opaque material.

7. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising light reflectors (24).

8. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising a fluorescent high frequency electronic ballast.

9. A trap (10) for catching insects as claimed in any of the proceeding claims further comprising one or more of: a perimeter frame (12'), supporting the insect attracting lights (16), which is hinged (22) to a back frame (12''); and shields (34), each of which sealably protect the lights and their electrical fittings from water ingress.