

1
00:00:00,000 --> 00:00:04,049
are there any questions i can dodge

2
00:00:01,760 --> 00:00:08,450
especially from pathological skeptics I

3
00:00:04,049 --> 00:00:08,449
prefer yes pathological skeptic number 1

4
00:00:15,169 --> 00:00:21,059
X the vibrational theory of olfaction

5
00:00:19,070 --> 00:00:41,129
but that's a whole nother talk all

6
00:00:21,059 --> 00:00:42,179
together yes yes yes but that again

7
00:00:41,128 --> 00:00:43,949
that's another talk all together

8
00:00:42,179 --> 00:00:50,250
absolutely absolutely we'll talk more

9
00:00:43,950 --> 00:00:57,949
over muffins yes today maybe 10 years

10
00:00:50,250 --> 00:00:57,948
ago with a radio

11
00:01:00,460 --> 00:01:20,829
under my buckle up or I see if Brandon

12
00:01:07,019 --> 00:01:25,478
chemical reaction are there any other

13
00:01:20,829 --> 00:01:36,399
updates any other questions I was yes

14
00:01:25,478 --> 00:01:39,840
Patrick give me the time of day I

15
00:01:36,399 --> 00:01:42,070
actually talked with my salon camera

16
00:01:39,840 --> 00:01:45,100
Ashley talked with a certain professor

17
00:01:42,069 --> 00:01:47,678
at Cal Davis and I was asking him some

18
00:01:45,099 --> 00:01:49,649
hard questions it was during the you

19
00:01:47,679 --> 00:01:51,700
know the food time things like this and

20
00:01:49,649 --> 00:01:53,950
you know they had some hors d'oeuvres

21
00:01:51,700 --> 00:01:55,359
around some drinks and I said you know

22
00:01:53,950 --> 00:01:57,490
what about this what about that what

23
00:01:55,359 --> 00:01:58,929
about a what about B and he turned and

24
00:01:57,489 --> 00:02:00,189
looked at me without responding and said

25
00:01:58,929 --> 00:02:03,939
why don't you go ahead and get something

26
00:02:00,189 --> 00:02:05,048
to eat turned around and left so I went

27
00:02:03,939 --> 00:02:12,459
to go get something to eat because

28
00:02:05,049 --> 00:02:14,260
that's good advice I think yes it's nice

29

00:02:12,459 --> 00:02:16,060
to be able to convince some individuals

30
00:02:14,259 --> 00:02:18,489
some of the time it would be nicer to

31
00:02:16,060 --> 00:02:21,209
convince all of the individuals all the

32
00:02:18,489 --> 00:02:21,209
time yes

33
00:02:24,750 --> 00:02:30,280
very very paternal was supposed to be

34
00:02:28,750 --> 00:02:31,840
here today and by the way I did need to

35
00:02:30,280 --> 00:02:32,979
apologize for some who were looking

36
00:02:31,840 --> 00:02:34,780
forward to having him here he wasn't

37
00:02:32,979 --> 00:02:37,179
able to make it at the last minute his

38
00:02:34,780 --> 00:02:38,349
mother was going into surgery and so he

39
00:02:37,180 --> 00:02:41,560
had to cancel out but he was on the

40
00:02:38,349 --> 00:02:42,759
website and I we did I did officially

41
00:02:41,560 --> 00:02:44,050
invite him and I would have loved to

42
00:02:42,759 --> 00:02:45,069
have met him for the first time because

43
00:02:44,050 --> 00:02:47,110

I've only communicated with him

44

00:02:45,069 --> 00:02:49,419
otherwise he is suggesting a different

45

00:02:47,110 --> 00:02:51,010
mechanism than what the insects are

46

00:02:49,419 --> 00:02:54,009
doing though but the idea is the same

47

00:02:51,009 --> 00:02:55,060
vibrational theory so I can't answer a

48

00:02:54,009 --> 00:02:59,409
second question from Dave right now

49

00:02:55,060 --> 00:03:02,500
that's just too much for me well my wife

50

00:02:59,409 --> 00:03:07,810
has a question Manila not my wife has a

51

00:03:02,500 --> 00:03:10,659
question Gregory Dykstra's two years old

52

00:03:07,810 --> 00:03:15,509
and listened to his daddy's talk so well

53

00:03:10,659 --> 00:03:15,509
so I think he deserves a congratulations

54

00:03:17,340 --> 00:03:20,610
and the film years that we've been

55

00:03:19,360 --> 00:03:23,470
married this is the first presentation

56

00:03:20,610 --> 00:03:25,810
that my wife has heard me speak because

57

00:03:23,469 --> 00:03:27,340
of the children so this is this is a

58
00:03:25,810 --> 00:03:28,629
huge accomplishment and I was very

59
00:03:27,340 --> 00:03:30,210
worried about what's gonna happen thank

60
00:03:28,629 --> 00:03:42,539
you very much

61
00:03:30,210 --> 00:03:45,590
oh there's something worse you all you

62
00:03:42,539 --> 00:03:45,590
think after school

63
00:03:50,629 --> 00:03:56,099
besitos in my pocket any of the

64
00:03:54,150 --> 00:04:02,490
questions yes I'm sorry I couldn't see

65
00:03:56,099 --> 00:04:04,439
you yes if you think there's a

66
00:04:02,490 --> 00:04:08,370
piezoelectric effect going on there the

67
00:04:04,439 --> 00:04:10,889
answer yes there are pizzo and

68
00:04:08,370 --> 00:04:12,780
pyroelectric properties of the insect

69
00:04:10,889 --> 00:04:15,000
cuticle well established it's in the

70
00:04:12,780 --> 00:04:16,738
literature so as a matter of fact

71
00:04:15,000 --> 00:04:17,759
because of the dielectric antenna as

72
00:04:16,738 --> 00:04:19,919
I've talked about before you're going to

73
00:04:17,759 --> 00:04:22,259
have both those essentially required so

74
00:04:19,920 --> 00:04:23,640
yes those conditions have been met thank

75
00:04:22,259 --> 00:04:29,060
you very much quite question from a

76
00:04:23,639 --> 00:04:29,060
patent examiner mark

77
00:04:36,920 --> 00:04:39,400
they were

78
00:04:43,728 --> 00:04:50,639
problem right now is that if this theory

79
00:04:46,290 --> 00:04:52,229
is correct then some researchers who

80
00:04:50,639 --> 00:04:55,470
might have mentioned by name who had

81
00:04:52,228 --> 00:04:57,240
been doing this for 40 years who have

82
00:04:55,470 --> 00:05:00,389
been applying for grants from the United

83
00:04:57,240 --> 00:05:02,370
States government NIH and NSF our guitar

84
00:05:00,389 --> 00:05:04,949
going to realize that they're wrong so

85
00:05:02,370 --> 00:05:06,389
you are insulting the other scientist by

86

00:05:04,949 --> 00:05:08,610
doing something like this this is

87
00:05:06,389 --> 00:05:10,139
dangerous territory I should be getting

88
00:05:08,610 --> 00:05:11,490
nods with a lot of people you understand

89
00:05:10,139 --> 00:05:14,460
that when you tread on someone's

90
00:05:11,490 --> 00:05:16,319
territory long-standing territory they

91
00:05:14,459 --> 00:05:18,329
do not take a liking to this at all

92
00:05:16,319 --> 00:05:20,310
that's where the problem is if I can

93
00:05:18,329 --> 00:05:23,339
have a logical discussion with them and

94
00:05:20,310 --> 00:05:24,418
I can't I'll be in better shape but I

95
00:05:23,339 --> 00:05:26,569
realize my time is done thank you very

96
00:05:24,418 --> 00:05:26,569
much