

EXAMINATION IN: ZO 8091 – DYREFORSØKSLÆRE/ANIMAL RESEARCH COURSE

DATE: Wednesday 19. November 2003

Number of hours: 4
Permitted aids: None
Points(studiepoeng): 6
Number of pages: 2

Grades to be announced on Wednesday 10. december 2003
Contact during the examination: Claus Bech, tlf (735)96292

Answers can be given in either Norwegian or English!

- 1) Describe the application-procedure before you can carry out a field-experiment. Which informations shall be in the application to carry out the actual experiments.
- 2) What is the meaning of the concept "The three R's"?
- 3) You are the responsible scientist in a field study that focuses on predator-prey interactions between brown bears and frogs. To follow the behaviour of the bears they are tagged with radiotransmitters, which are surgically implanted under the skin on the neck. Within three weeks the Norwegian Research Council (NFR) will have a meeting to decide if you will receive support for three more years. You have therefore brought a journalist who has contacted you with you into the field. She wants to make a story about the project, and you know that this may positively affect the outcome of NFR's decision on your project.
 - a) Is it correct of you to bring a journalist into the field?
 - b) Which information would you give the journalist before going into the field?

State the reasons for your answers.

Rightfully, the journalist asks some critical questions as you are going into the field, and one of your assistants tells you that she is sceptical that the journalist should experience the situation where you implant the transmitter. However, you choose to bring the journalist with you. After you have sedated and anaesthetised the bear, it suddenly starts to bleed vigorously from the wound. Then, the bear stops breathing. The journalist takes a lot of photos during the incidence, and while you are trying to resuscitate the bear, it dies.

- c) What would you do after the incidence?
- d) Would your response after the incidence differ from your response if the journalist not were present?
- e) What if you manage to resuscitate the bear (the wound appears to be only superficial!). The bear has a normal behaviour after it wakes up. Will that affect your response pattern?

State the reasons for your answers.

- 4) a) Explain what is meant by the concept “zoonosis”.
b) Give some examples of typical zoonoses.
c) How can you protect yourself against such agents?
 - 5) Is commercial catching of fish in Norway in line with existing legislation? (you may give a 'personal' discussion)
 - 6) Is fur-farming in Norway in line with existing legislation? (you may give a 'personal' discussion)
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