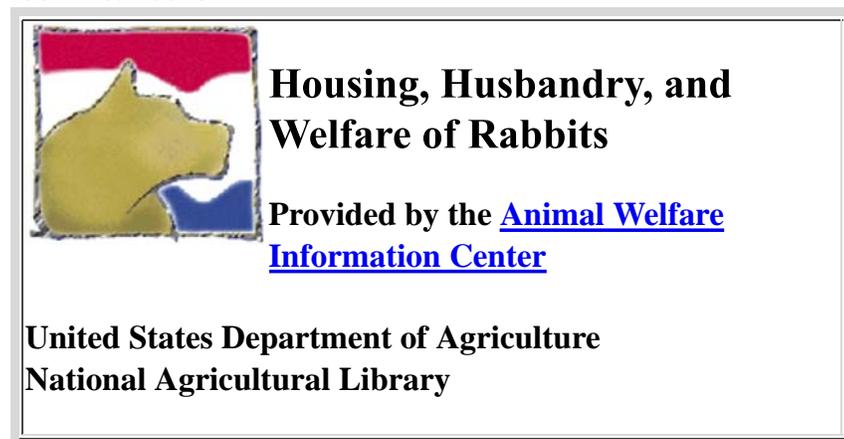


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January 1979 - January 1994

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213 citations from AGRICOLA

Tim Allen

Animal Welfare Information Center

March 1994

National Agricultural Library Cataloging Record:

Allen, Tim

Housing, husbandry and welfare of rabbits.

(Quick bibliography series ; 94-16)

1. Rabbits--Bibliography. 2. Rabbits--Housing--Bibliography. 3. Rabbits-- Handling--Bibliography. I. Title.

aZ5071.N3 no.94-16

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JOURNAL ARTICLE:

Citation # NAL Call No.

Article title.

Author. Place of publication: Publisher. Journal Title.

Date. Volume (Issue). Pages. (NAL Call Number).

Example:

1 NAL Call No.: DNAL 389.8.SCH6

Morrison, S.B. Denver, Colo.: American School Food Service

Association. School foodservice journal. Sept 1987. v. 41

(8). p.48-50. ill.

BOOK:

Citation # NAL Call Number

Title.

Author. Place of publication: Publisher, date. Information on pagination, indices, or bibliographies.

Example:

1 NAL Call No.: DNAL RM218.K36 1987

Exploring careers in dietetics and nutrition.

Kane, June Kozak. New York: Rosen Pub. Group, 1987.

Includes index. xii, 133 p.: ill.; 22 cm. Bibliography:

p. 126.

AUDIOVISUAL:

Citation # NAL Call Number

Title.

Author. Place of publication: Publisher, date.

Supplemental information such as funding. Media format (i.e., videocassette): Description (sound, color, size).

Example:

1 NAL Call No.: DNAL FNCTX364.A425 F&N AV

All aboard the nutri-train.

Mayo, Cynthia. Richmond, Va.: Richmond Public Schools,

1981. NET funded. Activity packet prepared by Cynthia

Mayo. 1 videocassette (30 min.): sd., col.; 3/4 in. +

activity packet.

Housing, Husbandry, and Welfare of Rabbits

January 1979 - January 1994

SEARCH STRATEGY

Set Items Description

1 6831 rabbit? or lagomorph?

2 115450 hous? or cag? or rabbitry or pen or hutch or facilit? or structure? or box?

3 201528 care or husbandry or manage? or handl? or welfare or wellbeing or well(W)being or stress? or behavior? or behaviour? or humane?

4 448 s1 and s2

5 406 s1 and s3

6 800 s4 or s5

7 525 s6 and la=english

8 420 s7 not (rabbiteye or rabbitfish or rabbitbrush or brush(W)border or sera or serum or dna or translational or rna or molecular or transcription)

9 213 s8 not sh=f600

Housing, Husbandry, and Welfare of Rabbits

1 NAL Call. No.: SF604.V75

Sources and factors in the transmission of infection in a closed housing system in rabbits with trichophytosis.

Levchenko, P.I.

Moskva, Institut; 1978.
Biulleten' Vsesoiuznogo instituta eksperimental'noi veterinarii (32): p.
31-33. ill; 1978.

Language: RUSSIAN; ENGLISH

2 NAL Call. No.: SF756.7.I5 1984
Accumulation of action specific energy in the eating behaviour of rabbits.
Sambraus, H.H.
Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft,
[1984?]; 1984.
Proceedings of the International Congress on Applied Ethology in Farm Animals,
Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by
the Federal Ministry of Food, Agriculture and Forestry. p. 335-338; 1984.
Includes references.

Language: English

Descriptors: Rabbits; Feeding behavior; Energy intake; Experience; Animal
behavior

3 NAL Call. No.: 49 AL57
Adatok a hazinyulak szexualis viselkedesehez nagyuzemi tartasmodban [Sexual
behaviour of rabbits in large-scale units.].
Keresztessy, K.
Budapest, Hirlapkiado Vallalat; 1979.
Allattenyesztes; Animal breeding v. 28 (5): p. 447-480. ill; 1979.

Language: HUNGARIAN; ENGLISH; GERMAN; RUSSIAN

4 NAL Call. No.: 410.9 P94
Adrenal and body temperature changes in rabbits exposed to varying effective
temperatures.
Besch, E.L.; Brigmon, R.L.
Cordova, Tenn. : American Association for Laboratory Animal Science; 1991 Jan.
Laboratory animal science v. 41 (1): p. 31-34; 1991 Jan. Includes references.

Language: English

Descriptors: Rabbits; Temperature; Body temperature; Adrenal glands; Stress;
Corticosterone; Blood plasma

Abstract: Eight adult New Zealand White rabbits were exposed individually, in
series, to each of 23 effective temperatures (teff) until body temperature
(tb) increased 1.1 degree C or for a period of 2 hours. Body temperature was
measured to the nearest 0.1 degree C using FM radio transmitters in the
pre-test (baseline) condition and at 2 minute intervals during the test
conditions where teff ranged between 21.7 and 34.7 degrees C. The frequency at
which the rabbits displayed a 1.1 degree C rise in tb was related to the
magnitude of the teff, with 100% of the rabbits manifesting this change at
teff greater than 30.2 degrees C. At teff of 28.4 through 30.2 degrees C,

some, but not all, of the rabbits showed a 1.1 degree C rise in tb whereas none displayed the 1.1 degree C rise in tb at teff below 28.4 degrees C. The mean time necessary for the 1.1 degree C rise in tb was negatively correlated ($P < 0.01$) to the magnitude of the teff. The significantly ($P < 0.01$) elevated plasma corticosterone in rabbits exhibiting 0.6 degrees C and 1.1 degree C rise in tb suggests that those animals were stressed physiologically by the experimental procedure. It is concluded that the conditions associated with increased tb induce physiological changes commonly associated with stressors and that the techniques reported herein should be useful in establishing upper environmental temperature limits for housing rabbits.

5 NAL Call. No.: 41.8 V6456

Advances in animal husbandry.

Ewer, T.K.

Bristol : John Wright & Sons; 1985.

The Veterinary annual v. 25: p. 1-25. ill; 1985. Includes references.

Language: English

Descriptors: United Kingdom; Dairy cows; Sheep; Goats; Rabbits; Animal feeding; Animal breeding; Milk production; Meat production

6 NAL Call. No.: 10 J822

Allometric changes during growth in rabbits.

Deltoro, J.; Lopez, A.M.

Cambridge : Cambridge University Press; 1985 Oct.

The Journal of agricultural science v. 105 (pt. 2): p. 339-346; 1985 Oct.

Includes statistical data. Includes references.

Language: English

Descriptors: Rabbits; Allometry; Growth analysis; Growth stages; Lines; Regressions; Animal anatomy

7 NAL Call. No.: QL750.A6

An analysis of the open-field performance of sub-adult rabbits.

Meijsser, F.M.; Kersten, A.M.P.; Wiepkema, P.R.; Metz, J.H.M.

Amsterdam : Elsevier Science Publishers, B.V.; 1989 Sep.

Applied animal behaviour science v. 24 (2): p. 147-155; 1989 Sep. Includes references.

Language: English

Descriptors: Rabbits; Emotions; Field tests; Animal behavior

8 NAL Call. No.: SF77.M35

Anatomy and physiology.

Jahn, S.E.

Joliet, Ill. : American Association for Laboratory Animal Science; 1984.

Manual for assistant laboratory animal technicians / edited by Walter B.

Sapanski, Jr., and John E. Harkness. p. 36-58, 412-413. ill; 1984.
(Publication / American Association for Laboratory Animal Science ; 84-1).
Includes references.

Language: English

Descriptors: Rabbits; Physiology; Animal anatomy; Electron microscopy

9 NAL Call. No.: QL55.A1L3

Anterior cervical microsurgical approach to the cranial base in the rabbit:
technical note.

Haworth, R.D.; Rosenberg, P.H.; Hoffman, L.A.; Latrenta, G.

London : Royal Society of Medicine Services; 1992 Jul.

Laboratory animals v. 26 (3): p. 196-199; 1992 Jul. Includes references.

Language: English

Descriptors: Rabbits; Head; Surgical operations

Abstract: Current trends in research on craniofacial syndromes have led to enhanced interest in the cranial base as a contributory factor in the development of normal and abnormal midfacial structure. Indeed, attention has focused upon one particular growth plate in the posterior cranial base, the sphenoccipital synchondrosis, since it has been shown that alterations in this structure are associated with profound changes in craniofacial growth. In this report we describe a surgical approach to the cranial base of the rabbit that is safe, simple and reliable. It is applicable to neonatal as well as adult rabbits.

10 NAL Call. No.: SF402.3.A7 1990

Arbeitstagung über Haltung und Krankheiten der Kaninchen Pelztier und Heimtiere = 7th Symposium on Housing and Diseases of Rabbits, Furbearing Animals and Pet Animals : Mai bis 1. Juni 1990 in Celle.. 7th Symposium on Housing and Diseases of Rabbits, Furbearing Animals and Pet Animals Seventh Symposium on Housing and Diseases of Rabbits, Furbearing Animals and Pet Animals

Loliger, Hans Christoph

Arbeitstagung über Haltung und Krankheiten der Kaninchen, Pelztier und Heimtiere 7th : 1990 : Celle, Germany.

Giessen : Deutsche Veterinärmedizinische Gesellschaft,; 1990.

331 p. : ill. ; 21 cm. Contributions in German and English, with German and English summaries. Subtitle: Themenkreise, 1. Tierschutz, Tierverhalten, Haltung, 2. Reproduktionsbiologie, 3. Ernährung, Fütterung, 4. Produkte, Produktqualität, Schlachthygiene, 5. Krankheiten und Krankheitsbekämpfung. Includes bibliographical references.

Language: German; English

Descriptors: Fur-bearing animals; Rabbits; Pets

11 NAL Call. No.: QL876.B5

An autoradiographic study of rabbit ovarian surface epithelium before and after ovulation.

Osterholzer, H.O.; Johnson, J.H.; Nicosia, S.V.

Champaign, Ill. : Society for the Study of Reproduction; 1985 Oct.

Biology of reproduction v. 33 (3): p. 729-738. ill; 1985 Oct. Includes references.

Language: English

Descriptors: Rabbits; Ovaries (animal); Epithelium; Autoradiography; Animal anatomy; Ovulation

12 NAL Call. No.: 410.9 P94

Axonal degeneration and self-mutilation as a complication of the intramuscular use ketamine and xylazine in rabbits.

Beyers, T.M.; Richardson, J.A.; Prince, M.D.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1991 Oct.

Laboratory animal science v. 41 (5): p. 519-520; 1991 Oct. Includes references.

Language: English

Descriptors: Rabbits; Ketamine; Xylazine; Intramuscular injection; Complications; Nervous system diseases; Abnormal behavior

13 NAL Call. No.: Videocassette no.200

Basic bi methodology of the laboratory mouse ; Basic bi methodology of the laboratory rat ; Basic bi methodology of the laboratory guinea pig ; Basic bi methodology of the laboratory rabbit written by Richard Hitzelberg, Edward Lundgren, Jere Phillips ; executive producers, Richard Hitzelberg [and] Edward Lundgren.

Hitzelberg, Richard; Lundgren, Edward; Phillips, Jere

MTM Associates

Silver Spring, Md. : MTM Associates,; 1987.

4 videocassettes (VHS) (62 min.) : sd., col. ; 1/2 in. To be used in conjunction with "Laboratory manual for basic bi methodology of laboratory animals", call no. SF406.H5.

Language: English

Descriptors: Laboratory animals; Animal experimentation; Methodology; Animal models in research; Laboratory manuals; Animal welfare

14 NAL Call. No.: QL750.A6

The behaviour of group penned and individually caged laboratory rabbits.

Podberscek, A.L.; Blackshaw, J.K.; Beattie, A.W.

Amsterdam : Elsevier Science Publishers, B.V.; 1991 Jan.

Applied animal behaviour science v. 28 (4): p. 353-363; 1991 Jan. Includes references.

Language: English

Descriptors: Rabbits; Group behavior; Pens; Cages; Animal behavior

15 NAL Call. No.: QP1.I522 1980

Behavioural and autonomic responses to pyrogen in new-born rabbits.

Szelenyi, Z.; Szekely, M.

Oxford : Pergamon Press, 1981; 1981.

Contributions to thermal physiology : satellite symposium of the 28th International Congress of Physiological Sciences, Peces, Hungary, 1980 / ed.

Z. Szelenyi, M. Szekely. p. 177-179. ill; 1981. Includes references.

Language: English

16 NAL Call. No.: 410 AM3

Biomechanical models and the analysis of form: a study of the mammalian masticatory apparatus (Includes rabbits).

Wejjs, W.A.

Symposium on Analysis of Form, (1979, Tampa,.

Lawrence, Kan., American Society of Zoologists; 1980.

American zoologist v. 20 (4): p. 707-719. ill; 1980. Bibliography p. 717-719.

Language: ENGLISH

17 NAL Call. No.: QL55.A1L33

Cage enrichment for female New Zealand white rabbits.

Brooks, D.L.; Huls, W.; Leamon, C.; Thomson, J.; Parker, J.; Twomey, S.

New York, N.Y. : Nature Publishing Company; 1993 May.

Lab animal v. 22 (5): p. 30, 32-33, 36, 38; 1993 May. Includes references.

Language: English

Descriptors: Rabbits; Cages; Enrichment

18 NAL Call. No.: QP82.2.T4J6

Capsaicin-induced changes in behavioural thermoregulation of newborn rabbits (Lepus cuniculus).

Szekely, M.

Oxford, Eng. : Pergamon Press; 1986 Aug.

Journal of thermal biology v. 11 (2): p. 101-104. ill; 1986 Aug. Includes references.

Language: English

Descriptors: Rabbits; Lepus; Thermoregulation; Newborn animals; Animal behavior; Capsaicin

19 NAL Call. No.: jSF416.2.W42

Care of uncommon pets rabbits, guinea pigs, hamsters, mice, rats, gerbils, chickens, ducks, frogs, toads and salamanders, turtles and tortoises, snakes

and lizards, and budgerigars.

Weber, William J.

New York : Holt, Rinehart, and Winston,; 1979.

222 p. : ill. ; 24 cm. Includes bibliographies and index.

Language: English

Descriptors: Pets; Juvenile literature

20 NAL Call. No.: 444.8 J826

Change of digastric muscle length in feeding rabbits (Muscle function).

Muhl, Z.F.; Newton, J.H.

New York, Alan R. Liss; Feb 1982.

Journal of morphology v. 171 (2): p. 151-157. ill; Feb 1982. Includes 1 p. ref.

Language: English

21 NAL Call. No.: 100 M28M No.168

Characteristics of domestic rabbit production and marketing in Maine, 1974.

Metzger, Homer B.

Orono Depts. of Animal and Veterinary Sciences and Agricultural Engineering; 1975.

28 p.. (Maine. Life Sciences and Agriculture Experiment Station. Miscellaneous report ; 168).

Language: ENGLISH

22 NAL Call. No.: QP1.P4

Characterization of central actions of neuropeptide Y on food and water intake in rabbits.

Pau, M.Y.C.; Pau, K.Y.F.; Spies, H.G.

Elmsford, N.Y. : Pergamon Press; 1988.

Physiology & behavior v. 44 (6): p. 797-802; 1988. Includes references.

Language: English

Descriptors: Rabbits; Peptides; Food intake; Water intake; Characterization; Feeding behavior; Drinking behavior

23 NAL Call. No.: 500 P383

A chase-and-ferret method for recapturing radio-collared Eastern cottontail rabbits.

Althoff, D.P.; Storm, G.L.

Allentown, Pa. : The Academy; 1985.

Proceedings of the Pennsylvania Academy of Science v. 59 (1): p. 41-42; 1985. Includes references.

Language: English

Descriptors: Pennsylvania; Rabbits; Wildlife management; Game reserves; Radio control

24 NAL Call. No.: NLM W1 AR452N

Cheyletiella dermatitis. A mite infestation of rabbit, cat, dog, and man.

Cohen, S.R.; eng

Chicago, Illinois : American Medical Association; Apr 1980.

Archives of dermatology v. 116 (4): p. 435-437; Apr 1980.

Language: English

Descriptors: Connecticut; Dermatitis, Arthropoda; Disease transmission, Animal to man; Cheyletiella parasitovorax (Arthropoda)

Abstract: Cheyletiella parasitovorax papular dermatitis in woman and her daughter, household pets also infected, treatment of dog and cats with ronnel resulted in cure of humans and animals; clinical review and comments: Connecticut

25 NAL Call. No.: SF761.P6513 1992 Ov

A colour atlas of the anatomy of small laboratory animals.. Colour atlas of anatomy of small laboratory animals Anatomy of small laboratory animals

Popesko, Peter; Rajtova, Viera; Horak, Jindrich

London : Wolfe Pub. Ltd.; 1992.

2 v. : col. ill. ; 35 cm. Translation of Czechoslovak edition of Atlas of the anatomy of small laboratory animals: vol. 1, rabbit and guinea pig; vol. 2, rat, mouse and golden hamster. Cover title: A colour atlas of anatomy of small laboratory animals. Includes indexes.

Language: English

Descriptors: Laboratory animals; Veterinary anatomy

26 NAL Call. No.: 23 N48J

Commercial rabbit production in Britain.

Gillgan, V.

Auckland, The Department; July 1979.

New Zealand journal of agriculture.New Zealand. Dept. of Agriculture v. 139 (1): p. 2-3. ill; July 1979.

Language: ENGLISH

Descriptors: Great Britain

27 NAL Call. No.: Videocassette no.856

Commercial rabbit production [produced by] the Agricultural Extension Program at North Carolina A&T State University.

North Carolina Agricultural Extension Program

Greensboro, N.C. : The Program,; 1988.

1 videocassette (10 min., 30 sec.) : sd., col. ; 1/2 in. (Ways to grow ;

money-making ideas for small farmers). VHS.

Language: English

Descriptors: Rabbits; North Carolina; Farms, Small; Economic aspects; North Carolina; Rabbits; North Carolina; Marketing

28 NAL Call. No.: SF601.C64

Common diseases and medical management of rodents and lagomorphs.

Collins, B.R.

New York, N.Y. : Churchill Livingstone; 1988.

Contemporary issues in small animal practice v. 9: p. 261-316; 1988. In the series analytic: Exotic animals / edited by E.R. Jacobson and G.V. Kollias Jr. Literature review. Includes references.

Language: English

Descriptors: Rodents; Lagomorpha; Antibiotics; Anesthetics; Neoplasms; Parasitism; Metabolic diseases; Infectious diseases; Treatment

29 NAL Call. No.: 41.8 IN22

Comparative arteriographic anatomy of the abdominal viscera and lumbar region in goats, dogs, pigs and rabbits.

Nayar, K.N.M.; Singh, G.; Singh, Y.; Singh, A.P.; Singh, G.R.

New Delhi : Indian Council of Agricultural Research; Dec 1983.

The Indian journal of animal sciences v. 54 (12): p. 1310-1314; Dec 1983.

Includes references.

Language: English

30 NAL Call. No.: 41.8 IN22

Comparative arteriographic anatomy of the thoracic aorta and its branches in goat, dog, pig and rabbit.

Singh, G.R.; Nayar, K.N.M.; Singh, A.P.; Singh, G.; Singh, Y.

New Delhi : Indian Council of Agricultural Research; 1984 Aug.

The Indian journal of animal sciences v. 54 (8): p. 801-805. ill; 1984 Aug.

Includes references.

Language: English

Descriptors: Goat; Dog; Pigs; Rabbits; Arteries; Radiography; Animal anatomy; Aorta

31 NAL Call. No.: QH613.A2

A comparative enzyme histochemical study on the parathyroid glands of the sheep, pig, dog, rabbit, rat, hamster and chicken.

Tsuchiya, T.; Tamate, H.

Kyoto, Japan Society of Histochemistry and Cytochemistry; 1981.

Acta histochemica et cytochemica v. 14 (5): p. 506-515. ill; 1981. Includes

36 ref.

Language: English

32 NAL Call. No.: 41.8 J27

Comparative morphological studies on the vomeronasal organ in rats, mice, and rabbits.

Taniguchi, K.; NJUZA; Mochizuki, K.

Tokyo : Japanese Society of Veterinary Science; Feb 1983.

The Japanese journal of veterinary science; Nihon juigaku zasshi v. 45 (1): p. 67-76. ill; Feb 1983. Includes references.

Language: English; Japanese

33 NAL Call. No.: QL55.A1L3

Comparative morphology of the stomach of some laboratory mammals.

Ghoshal, N.G.; Bal, H.S.

London : Royal Society of Medicine Services; 1989 Jan.

Laboratory animals v. 23 (1): p. 21-29. ill; 1989 Jan. Includes references.

Language: English

Descriptors: Laboratory animals; Stomach; Morphology; Microscopy

Abstract: Histomorphology of the stomach of mouse, rat, hamster, guineapig, gerbil, and rabbit was studied. Although a common structural basis existed in the stomach between these species, the occurrence and distribution of various cells in gastric glands differed considerably between them. In mice, rats, hamsters and gerbils, the lower one-third of the glandular lamina propria was seemingly occupied by a varying proportion of parietal and chief cells. In rabbits, the predominantly occurring chief cells were distributed in lower three-quarters of the glands intermingling with parietal cells, but in guineapigs the chief cells were not discernible. In hamsters, there was, however, a gradual increase of chief cells from the junction between nonglandular-glandular stomach toward the pyloric region. In all these species, parietal cells were the predominant cell type in the upper half to upper one-third of the gastric glands, often extending up to the neck of the glands interspersing between mucus neck cells and occasionally between chief cells.

34 NAL Call. No.: RM1.C5

Comparative studies on angiotensins. VI. Structure of angiotensin I produced by renal renin of the dog, guinea pig and rabbit, and re-examination of the peptides of the pig, horse and ox using homologous renin sources.

Akagi, H.; CPBTA; Hayashi, T.; Nakayama, T.; Nakajima, T.; Watanabe, T.X.

Tokyo : Pharmaceutical Society of Japan; July 1982.

Chemical & pharmaceutical bulletin v. 30 (7): p. 2498-2502; July 1982.

Includes references.

Language: English

35 NAL Call. No.: 41.8 AM3A

Comparison of several combinations for anesthesia in rabbits.

Hobbs, B.A.; Rolhall, T.G.; Sprenkel, T.L.; Anthony, K.L.

Schaumburg, Ill. : American Veterinary Medical Association; 1991 May.

American journal of veterinary research v. 52 (5): p. 669-674; 1991 May.

Includes references.

Language: English

Descriptors: Rabbits; Anesthesia; Drug combinations; Injectable anesthetics; Heart rate; Respiration rate; Body temperature; Reflexes; Safety

Abstract: Few safe and effective anesthesia regimens have been described for use in rabbits, partially because of the susceptibility of this species to sometimes fatal respiratory depression. Although inhalant anesthetics are generally safer than injectable anesthetics, their use may be limited by lack of equipment or facilities. This study was conducted to compare effects of several injectable anesthetics in rabbits on response to noxious stimuli, heart rate, respiratory rate, and rectal temperature. Six injectable anesthetic combinations were administered to rabbits:

xylazine-ethyl-(1-methyl-propyl) malonyl-thio-urea salt (EMTU), ketamine-EMTU, xylazine-pentobarbital, xylazine-acepromazine-ketamine (XAK), ketamine-chloral hydrate, and ketamine-xylazine. All combinations induced a depression of respiratory rate. Although rectal temperature values were reduced to some degree in each group, the most profound hypothermia was induced by XAK. The combination that induced the longest duration of anesthesia was XAK. It was concluded that XAK was preferable for longer periods of anesthesia (60 to 120 minutes), although it induces severe hypothermia. For short periods of anesthesia, xylazine-pentobarbital, xylazine-EMTU, or ketamine-xylazine were deemed adequate; however, xylazine-EMTU induced the best survivability and consistency.

36 NAL Call. No.: SF453.S6

A complete handbook on backyard and commercial rabbit production sa kalusugan ng bayan rabbit ang alagaan = for the health of the nation go into rabbit production.

Sicwaten, Juan B.; Stahl, Diane; Sims, Barbara J.

Peace Corps (U.S.), Information Collection and Exchange

Washington, D.C. : Peace Corps, Information Collection and Exchange,;

Reprinted 1982.

92 p. : ill., forms ; 28 cm. (Reprint (Peace Corps (U.S.). Information Collection and Exchange) ; R 41.). "The majority of information found in this handbook is an adaptation and revision of Commercial rabbit raising, Agriculture handbook no. 309, U.S. Dept. of Agriculture"--Added t.p. verso. Reprinted with permission for Peace Corps use only. Published by CARE Philippines. September 1982.

Language: English

Descriptors: Rabbits; Rabbit breeding; Handbooks, manuals, etc

37 NAL Call. No.: 49 F84

Comportement alimentaire du lapin de garenne eleve en captivite. III. Etude des rythmes d'ingestion d'aliment et d'eau en lumiere permanente [Feeding behaviour of wild rabbits in captivity. III. Feeding and drinking rhythms under continuous light.].

Reyne, Y.; Goussopoulos, J.; Prud'hon, M.

Paris, Institut national de la recherche agronomique; 1979.

Annales de zootechnie v. 28 (2): p. 159-164. ill; 1979. 11 ref.

Language: FRENCH; ENGLISH

38 NAL Call. No.: 49.9 B853

Conexiunile ortoparasimpatice subbazale la iepure [The connections of the infrabasal sympathetic system of the rabbit (Anatomical structure and topography).].

Pastea, E.

Bucuresti, Institutul Agronomic "Nicolae Balescu"; 1977/1978 (pub. 1979).

Lucrari stiintifice. Seria C: Medicina veterinara 20/21: p. 19-23. ill;

1977/1978 (pub. 1979). 10 ref.

Language: ROMANIAN; ENGLISH

39 NAL Call. No.: 500 AL12

Cottontail rabbit initial responses to prescribed burning and cover enhancement.

King, S.L.; Stribling, H.L.; Speake, D.

Auburn, Ala. : The Academy; 1991 Apr.

The Journal of the Alabama Academy of Science v. 62 (2/3): p. 178-188; 1991 Apr. Includes references.

Language: English

Descriptors: Alabama; Prescribed burning; Fire ecology; Fire effects; Forest ecology; Feces; Population density; *Sylvilagus floridanus*; Vegetation; Wildlife management

40 NAL Call. No.: SF601.C64

Dermatologic disorders of common small nondomestic animals.

Collins, B.R.

New York, N.Y. : Churchill Livingstone; 1987.

Contemporary issues in small animal practice v. 8: p. 235-294; 1987. In the series analytic: Dermatology / edited by G.H. Nesbitt. Literature review.

Includes references.

Language: English

Descriptors: Mongolian gerbil; Golden hamster; Guinea pigs; Rabbits; Ferrets; Mice; Rats; Reptiles; Neoplasms; Ectoparasites; Infectious diseases; Abnormalities; Animal behavior

41 NAL Call. No.: SF1.S68

Determination of transformations of the nephron's form and structure during rabbit ontogeny.

Krutsyak, V.N.; Pronyaev, V.I.; Marchuk, F.D.

New York, N.Y. : Allerton Press; 1989.

Soviet agricultural biology : Part 2 : Animal biology (4): p. 75-77. ill; 1989. Translated from: Sel'skokhozyaistrennaya Biologiya, (4), 1989, p. 134-136. Includes references.

Language: English; Russian

Descriptors: Rabbits; Ontogeny; Kidneys; Prenatal period

42 NAL Call. No.: Z7994.L3A5

Developing an in vitro system to replace the Draize rabbit eye irritancy test.

Stark, D.M.; Borenfreund, E.

Nottingham : Fund for the Replacement of Animals in Medical Experiments; 1985 Jun.

Alternatives to laboratory animals : ATLA v. 12 (4): p. 247-250; 1985 Jun.

Includes references.

Language: English

Descriptors: Rabbits; In vitro; Cell culture; Test procedure; Animal testing alternatives; In vivo; Animal welfare

43 NAL Call. No.: QL55.I5

The development of rabbit, guinea pig and mouse cages.

Eveleigh, J.R.

Sussex : The Institute of Animal Technology; 1988 Aug.

Animal technology : journal of the Institute of Animal Technology v. 39 (2): p. 107-116. ill; 1988 Aug. Includes references.

Language: English

Descriptors: Guinea pigs; Rabbits; Mice; Cages; Design; Types; Floors

44 NAL Call. No.: QL55.A1L3

Developmental and regressive changes in the testes of the Himalayan rabbit.

Tsunenari, I.; Kast, A.

London : Royal Society of Medicine Services; 1992 Jul.

Laboratory animals v. 26 (3): p. 167-179; 1992 Jul. Includes references.

Language: English

Descriptors: Rabbits; Testes; Age differences; Seasonal variation; Biological development; Morphology

Abstract: The testes of 81 Himalayan rabbits, controls in toxicity studies, and 113 purpose-bred rabbits of various age groups from birth to 2 years were studied. In mature male rabbits, regressive changes in the seminiferous tubules including the multinucleated spermatid giant cells were common and

showed a tendency for age-related and seasonal differences. The finding is considered as a remnant of the previous seasonal and possibly also social testicular regression in wild living animals. The giant cells develop from the syncytium of the germinative epithelium and have parallels in phylogenesis.

45 NAL Call. No.: 410.9 SO18

Differences and similarities in nursing behaviour of hares and rabbits.

Broekhuizen, S.; Mulder, J.L.

Helsinki : Finnish Zoological Publishing Board; 1983.

Acta zoologica Fennica (174): p. 61-63; 1983. Paper presented at the Third International Theriological Congress, held August 15/20, 1982, Helsinki.

Includes references.

Language: English

46 NAL Call. No.: 41.8 AC83

Digestion and faecal mineral content of virginiamycin-fed rabbits exposed to physiological and simulated stress.

Fekete, S.; Maertens, L.; Tolgyesi, G.

Budapest : Akademiai Kiado; 1988.

Acta veterinaria Hungarica v. 36 (1,2): p. 61-68; 1988. Includes references.

Language: English

Descriptors: Rabbits; Virginiamycin; Stress; Corticotrophin; Digestion; Feces composition; Mineral content; Digestibility

47 NAL Call. No.: RE58.D73 1987

Draize acute eye-irritancy test fact sheet.. Draize acute eye irritancy test

Humane Society of the United States

Washington, DC : The Society,; 1987.

1 sheet : ill. ; 28 cm. Caption title.

Language: English

Descriptors: Eye; Toxicity testing; Rabbits as laboratory animals

48 NAL Call. No.: aS21.D27S64

The draize eye-irritancy test.

Swanson, J.C.

Beltsville, Md. : The Library; 1988 Nov.

Special reference briefs - National Agricultural Library (U.S.). (89-02): 25 p.; 1988 Nov. Bibliography.

Language: English

Descriptors: Rabbits; Eyes (animal); Laboratory tests; Animal welfare; Animal testing alternatives; Bibliographies

49 NAL Call. No.: SF455.D85W4513 1992

Dwarf rabbits how to take care of them and understand them.. Zwergkaninchen

Wegler, Monika; Jankovics, Gyorgy

Hauppauge, NY : Barron's,; 1992.

63 p. : ill. (some col.) ; 20 cm. Translation of: Zwergkaninchen. Includes bibliographical references (p. 60) and index.

Language: English

Descriptors: Dwarf rabbits

50 NAL Call. No.: S605.5.A43

The economics of small-scale rabbit production.

Gebremedhin, T.G.

Greenbelt, Md. : Institute for Alternative Agriculture; 1991.

American journal of alternative agriculture v. 6 (4): p. 180-183; 1991.

Includes references.

Language: English

Descriptors: Rabbits; Small farms; Diversification; Investment; Animal production; Economic analysis; Production costs; Returns; Small animal rearing; Feasibility

Abstract: Diversification into alternative enterprises appears to be gaining in popularity and economic importance as a way to supplement family income and to provide alternative sources of high-quality food. However, potential rabbit producers lack information about investment requirements and production and marketing costs. The objective of this study was to determine the most profitable operation of small-scale rabbit production by estimating the costs and returns, net present values, and payback periods of two rabbit production systems. Despite a difference in the net income generated, a cash surplus occurred for both systems at the end of the third year. This surplus was the return to land, family labor, and management. Thus, rabbit enterprises may provide economic opportunities for farm families who have limited land and capital.

51 NAL Call. No.: QL876.B5

Effect of donor cell cycle stage on chromatin and spindle morphology in nuclear transplant rabbit embryos.

Collas, P.; Pinto-Correia, C.; Ponce de Leon, F.A.; Robl, J.M.

Champaign, Ill. : Society for the Study of Reproduction; 1992 Mar.

Biology of reproduction v. 46 (3): p. 501-511; 1992 Mar. Includes references.

Language: English

Descriptors: Rabbits; Embryos; Chromatin; Chromosomes; Embryo transfer

Abstract: We investigated the influence of the cell cycle stage of the nuclear donor on prematurely condensed chromatin (PCC) and spindle morphology and on chromosome constitution in rabbit nuclear transplant embryos. The configuration of PCC following nuclear transplantation with G1, early S, and

late S phase donor nuclei (G1, early S, and late S transplants, respectively) was characterized in whole mounts and chromosome spreads. In addition, the influence of the donor cell cycle stage on chromosome constitution in cleavage stage-manipulated embryos was determined. Within 2 h after fusion of the donor blastomere, the recipient oocyte cytoplasm was able to induce formation de novo of a metaphase plate associated with a spindle in G1, early S, and late S transplants. Metaphase chromosomes and spindle were intact in most cases of PCC in G1 transplants. However, these structures displayed minor abnormalities in early S transplants and gross abnormalities in late S transplants, such as incomplete or absent spindle formation and incomplete chromatin condensation. Normal chromosomes were present in G1 and early S transplants, whereas chromosome abnormalities were detected in late S transplants. The results indicate that morphology of prematurely condensed G1 and early S chromatin has a minor influence on chromosome constitution of manipulated embryos. That of late S chromatin, however, affects chromosome constitution in embryos and may account for reduced development of nuclear transplant embryos when late S phase donor nuclei are used.

52 NAL Call. No.: 41.8 AM3A

Effect of ivermectin on the control of ear mites (*Psoroptes cuniculi*) in naturally infested rabbits.

Bowman, D.D.; Fogelson, M.L.; Carbone, L.G.

Schaumburg, Ill. : American Veterinary Medical Association; 1992 Jan.

American journal of veterinary research v. 53 (1): p. 105-109; 1992 Jan.

Includes references.

Language: English

Descriptors: Rabbits; Ivermectin; Mite control; *Psoroptes cuniculi*; Ears; Lesions; Dosage

Abstract: We examined the efficacy of ivermectin in the control of ear mites (*Psoroptes cuniculi*) in rabbits. The study involved 40 female and 35 male rabbits that were known to be naturally infested with ear mites. After a period of acclimation to the animal care facilities, the rabbits were ranked on the visual appearance of any ear lesion and the number of mites on glycerin-dipped ear swabs. The rabbits were then randomly assigned to 1 of 4 treatment groups; vehicle only (group 1), 50 micrograms of ivermectin/kg of body weight (group 2), 100 micrograms of ivermectin/kg (group 3) and 200 micrograms of ivermectin/kg (group 4). The rabbits were treated by SC injections on day 0 and day 14 of the trial; thus, the total dose of ivermectin given to groups 1 through 4, was 0, 100, 200, or 400 micrograms/kg, respectively. The study ended 2 weeks after the last treatment. Ear lesions of the treated rabbits improved significantly ($P < 0.001$). By 28 days after the first treatment, the mean number of mites on the ear swabs (both ears) was 57.5 for untreated rabbits and 9.1, 0.5, and 2.5, respectively, for rabbits in groups 2, 3, and 4. The mean number of mites recovered from the ears of the untreated rabbits at necropsy was 24,297. For groups 2, 3, and 4, the mean number of mites recovered from the ears was 5,352, 96, and 96, respectively. The efficacy of treatment with a total dose of 100 micrograms/kg was 77.96%, with 200 micrograms/kg was 99.61%, and for 400 micrograms/kg was 99.61%.

53 NAL Call. No.: QH324.C7

Effect of rapid addition and dilution of dimethyl sulfoxide and 37 degrees C equilibration on viability of rabbit morulae thawed rapidly.

Kojima, T.; Soma, T.; Oguri, N.

Orlando, Fla. : Academic Press; 1987 Jun.

Cryobiology v. 24 (3): p. 247-255; 1987 Jun. Includes references.

Language: English

Descriptors: Rabbits; Morula; Rapid methods; Thawing; Viability; Dilution; Dimethyl sulfoxide; Freezing; Morphology; Survival

54 NAL Call. No.: QD415.A1J6

Effect of volatiles collected above fecal pellets on behavior of the rabbit, *Oryctolagus cuniculus*, tested in an experimental chamber. I. Total volatiles and some chemically prepared fractions (Anal gland secretion).

Hesterman, E.R.; Goodrich, B.S.; Mykytowycz, R.

New York, Plenum Press; Sept 1981.

Journal of chemical ecology v. 7 (5): p. 799-815. ill; Sept 1981. 12 ref.

Language: English

55 NAL Call. No.: QH324.C7

Effects of cryoprotectants on actin filaments during the cryopreservation of one-cell rabbit embryos.

Vincent, C.; Pruliere, G.; Pajot-Augy, E.; Campion, E.; Garnier, V.; Renard, J.P.

Duluth, Minn. : Academic Press; 1990 Feb.

Cryobiology v. 27 (1): p. 19-23. ill; 1990 Feb. Includes references.

Language: English

Descriptors: Rabbits; Embryos (animal); Actin; Biochemistry; Cell structure; Cellular biology; Cryoprotectants; Motility; Freezing; Preservation

56 NAL Call. No.: QL750.A6

Effects of early handling on later open-field behaviour in rabbits.

Kersten, A.M.P.; Meijsser, F.M.; Metz, J.H.M.

Amsterdam : Elsevier Science Publishers, B.V.; 1989 Sep.

Applied animal behaviour science v. 24 (2): p. 157-167; 1989 Sep. Includes references.

Language: English

Descriptors: Rabbits; Animal husbandry; Animal behavior; Field tests; Emotions; Litters

57 NAL Call. No.: QH301.F3

Effects of microbial challenge on sleep in rabbits.

Toth, L.A.; Krueger, J.M.

Bethesda, Md. : The Federation; 1989 Jul.

The FASEB journal : official publication of the Federation of American Societies for Experimental Biology v. 3 (9): p. 2062-2066; 1989 Jul. Includes references.

Language: English

Descriptors: Rabbits; Fevers; Infection; Candida albicans; Escherichia coli; Streptococcus pyogenes; Symptoms; Sleep; Stress; Diagnosis

58 NAL Call. No.: QL750.A6

The effects of repeated handling by familiar and unfamiliar people on rabbits in individual cages and group pens.

Podberscek, A.L.; Blackshaw, J.K.; Beattie, A.W.

Amsterdam : Elsevier Science Publishers, B.V.; 1991 Jan.

Applied animal behaviour science v. 28 (4): p. 365-373; 1991 Jan. Includes references.

Language: English

Descriptors: Rabbits; Handling; Fearfulness; Cages; Pens

59 NAL Call. No.: QL55.A1L3

Effects of single- and mixed-sex caging on postweaning development in the rabbit.

Bell, D.J.; Bray, G.C.

Essex : Laboratory Animal Science Association; 1984 Jul.

Laboratory animals v. 18 (3): p. 267-270; 1984 Jul. Includes references.

Language: English

Descriptors: Rabbits; Cage rearing; Postweaning interval; Sex; Mortality; Weight; Food intake

60 NAL Call. No.: 10 J822

Effects of temperature and diet on the water and energy metabolism of growing rabbits.

Jin, L.M.; Thomson, E.; Farrell, D.J.

Cambridge : Cambridge University Press; 1990 Aug.

The Journal of agricultural science v. 115 (pt.1): p. 135-140; 1990 Aug.

Includes references.

Language: English

Descriptors: Rabbits; Diet studies; Energy metabolism; Feed intake; Metabolism cage; Roughage; Temperature

61 NAL Call. No.: QP1.P4

Electrophysiology of taste, feeding and reward in lateral hypothalamus of rabbit.

Schwartzbaum, J.S.
Elmsford, N.Y. : Pergamon Press; 1988.
Physiology & behavior v. 44 (4/5): p. 507-526; 1988. Includes references.

Language: English

Descriptors: Rabbits; Taste sensitivity; Feeding; Hypothalamus; Feeding behavior

62 NAL Call. No.: RA1211.C85
Embryonic development and inhalation stress.
Upshall, D.G.
Bristol, [England] : Wright; 1977.
Current approaches in toxicology / edited by Bryan Ballantyne. p. 79-85; 1977.
Includes references.

Language: English

Descriptors: Rats; Rabbits; Pregnancy; Teratogenesis; Animal research

63 NAL Call. No.: FICHE S-72
Environment and facilities for intensified rabbit production.
Enos, H.L.; Hansen, R.W.
St. Joseph, Mich. : The Society; 1981.
Paper - American Society of Agricultural Engineers (Microfiche collection)
(fiche no. 81-4548): 1 microfiche : ill; 1981. Paper presented at the 1981
Winter Meeting of the American Society of Agricultural Engineers. Available
for purchase from: The American Society of Agricultural Engineers, Order
Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept.
at (616) 429-0300 for information and prices. Includes references.

Language: English

64 NAL Call. No.: 100 M693 (3) no.646
Environmental physiology and shelter engineering with special reference to
domestic animals XLV Comparison of the effects of environmental temperatures
on rabbits and cattle, Part 1, Influence of constant environmental
temperatures (500 and 800 F) on the growth responses and physiological
reactions of rabbits and cattle.. Comparison of the effects of environmental
temperatures on rabbits and cattle
Johnson, Harold David.; Ragsdale, A. C._1890-; Cheng, Chu Shan
Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural
Experiment Station.; 1957.
52 p. : ill. ; 23 cm. (Research bulletin / University of Missouri,
Agricultural Experiment Station ; 646). "This bulletin is a report on
Department of Dairy Husbandry research project 125, Climatic Factors"--p. [3].
Bibliography: p. 43-49.

Language: English

Descriptors: Rabbits; Physiology; Cattle; Physiology; Temperature;

Physiological effect

65 NAL Call. No.: 100 M693 (3) no.648

Environmental physiology and shelter engineering with special reference to domestic animals XLVI Comparison of the effect of environmental temperature on rabbits and cattle, Part 2, Influence of raising environmental temperature on the physiological reactions of rabbits and cattle.. Comparison of the effect of environmental temperature on rabbits and cattle

Johnson, Harold David.; Cheng, Chu Shan; Ragsdale, A. C.

Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural Experiment Station.; 1958.

27 p. : ill. ; 23 cm. (Research bulletin / University of Missouri,

Agricultural Experiment Station ; 648). "...This bulletin reports on

Department of Dairy Husbandry Research Project 125, Climatic Factors"--p. [3].

Bibliography: p. 15-17.

Language: English

Descriptors: Rabbits; Physiology; Cattle; Physiology; Temperature; Physiological effect

66 NAL Call. No.: 286.81 F322

Equipment and management options to facilitate rabbit production (Housing, temperature, ventilation).

Enos, H.L.; Caveny, D.D.

American Society of Animal Science

Minneapolis, Miller Publishing; Dec 3, 1979.

Feedstuffs v. 51 (49): p. 18-19, 34-35. ill; Dec 3, 1979. 14 ref.

Language: ENGLISH

67 NAL Call. No.: 410.9 P94

Eradication of ear mites from naturally infested conventional research rabbits using ivermectin.

Curtis, S.K.; Brooks, D.L.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1990 Jul.

Laboratory animal science v. 40 (4): p. 406-408; 1990 Jul. Includes references.

Language: English

Descriptors: Rabbits; Psoroptes cuniculi; Ivermectin; Mite control; Safety; Adverse effects

Abstract: Rabbits naturally infested with ear mites were treated with ivermectin injection for cattle, subcutaneously at the rate of 400 mcg/kg; which was repeated in 15 to 17 days. Rabbits treated as described and housed in a conventional vivarium environment were found to be free of mites during a subsequent 33 to 139 day observation period. Side effects were minimal and associated with occasional transient discomfort at the injection site. Ivermectin appears to be safe and effective for treating rabbits with ear

mites. The prospects of eradicating mites from infested rabbit colonies using this method of treatment is promising.

68 NAL Call. No.: RM300.I55

Estimation of rabbit eye irritation scores by structure-activity equations.

Enslein, K.; Blake, B.W.; Tuzzeo, T.M.; Borgstedt, H.H.; Hart, J.B.; Salem, H. New York, N.Y. : Mary Ann Liebert, Inc; 1988.

In vitro toxicology v. 2 (1): p. 1-14; 1988. Includes references.

Language: English

Descriptors: Rabbits; Eyes (animal); Chemicals; Bioassays; Toxicity; Models

69 NAL Call. No.: QL55.U5 1987

The European wild rabbit., 6th ed.

Vaughan, J.A.

London : Longman; 1987.

The UFAW handbook on the care and management of laboratory animals / edited by Trevor B. Poole; editorial assistant, Ruth Robinson. p. 411-414; 1987.

Language: English

Descriptors: Europe; Rabbits; Leporidae; Biology; Animal husbandry

70 NAL Call. No.: 41.8 R3224

Euthanasia of small animals with nitrogen; comparison with intravenous pentobarbital.

Quine, J.P.; Buckingham, W.; Strunin, L.

Ottawa : Canadian Veterinary Medical Association; 1988 Sep.

The Canadian veterinary journal v. 29 (9): p. 724-726; 1988 Sep. Includes references.

Language: English

Descriptors: Dogs; Cat; Rabbits; Euthanasia; Pentobarbital; Nitrogen; Animal welfare

71 NAL Call. No.: 410.9 P94

An evaluation of analgesia associated with the immobility response in laboratory rabbits.

Danneman, P.J.; White, W.J.; Marshall, W.K.; Lang, C.M.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1988 Feb.

Laboratory animal science v. 38 (1): p. 51-57; 1988 Feb. Literature review.

Includes references.

Language: English

Descriptors: Rabbits; Analgesics; Restraint of animals; Immobilization

Abstract: The immobility response (IR) was studied in rabbits to evaluate its

analgesic properties and reliability as a method of restraint. The participation of the endogenous opioid system in IR was studied indirectly by evaluating the effects of the narcotic antagonist naloxone on this phenomenon. Twenty-four adult New Zealand White rabbits were subjected to six noxious stimuli while restrained by IR and while restrained under control conditions. Testing on each animal was repeated under both conditions following the administration of naloxone. The noxious stimuli consisted of three levels of electric shock (10 volts, 30 volts, and 50 volts) applied to the shaved forearm, and mechanical pressure applied to the pinna, front toe, and hind toe. Withdrawal and changes in blood pressure, heart rate, and respiration were used as indicators of pain perception. Distress associated with noxious electrical and pressure stimulation was significantly reduced by IR, which suggested that the phenomenon does have a significant analgesic component. However, the rabbits showed wide variability in their susceptibility to IR induction, and even animals which did not withdraw in response to noxious stimulation under IR sometimes exhibited physiological changes suggestive of distress. Therefore, IR should not be considered as a reliable or humane alternative to analgesic/anesthetic drugs for laboratory rabbits. Naloxone had little effect on IR or IR-associated analgesia.

72 NAL Call. No.: QL461.S65

Evaluation of possible factors affecting degree of ear canker and numbers of psoroptic mites in rabbits.

Guillot, F.S.; SENTD; Wright, F.C.

College Station : Southwestern Entomological Society; Sept 1981.

The Southwestern entomologist v. 6 (3): p. 245-252; Sept 1981.

Language: English

Descriptors: Behavior, Host; Age of host; Seasonal distribution; Resistance, Host; Psoroptes cuniculi (Arthropoda); Psoroptes ovis (Arthropoda)

Abstract: Psoroptes cuniculi, rabbits, possible parasite-limiting factors (host age, innate susceptibility, grooming, season); suitability of rabbits as host for P. ovis tested

73 NAL Call. No.: SF65.2.F3 1987

Farmstead magazine's guide to animal husbandry., 1st ed..

Blue Ridge Summit, PA : Tab Books,; 1987.

iv, 164 p. : ill. ; 22 cm. Includes index.

Language: English

Descriptors: Livestock; Bee culture; Rabbits

74 NAL Call. No.: 410 B77

Female choice of resident male rabbits *Oryctolagus cuniculus*.

Reece-Engel, C.

London : Bailliere Tindall; 1988 Aug.

Animal behaviour v. 36 (4): p. 1241-1242; 1988 Aug. Includes references.

Language: English

Descriptors: Rabbits; Buck; Mating preference; Sexual behavior

75 NAL Call. No.: 410 AR27

Functional anatomy of the masticatory apparatus in the rabbit (*Oryctolagus cuniculus* L.).

Wejjs, W.A.; Dantuma, R.

Leiden, E.J. Brill; Mar 1981.

Netherlands journal of zoology v. 31 (1): p. 99-147. ill; Mar 1981.

Bibliography p. 145-147.

Language: English

76 NAL Call. No.: SF1.T3

General aspects of the production and research in France for some small animals (Production systems and breeding research, sheep and goats, rabbits and poultry).

Rouvier, R.

Tainan : Taiwan Sheng Hsu ch'an shih yen so; June 1983.

Hsu ch'an yen chiu; Journal of the Taiwan livestock research v. 16 (1): p.

25-33. maps; June 1983. Includes references.

Language: English; Chinese

Descriptors: France

77 NAL Call. No.: QL55.I5

Group housing on floor pens and environmental enrichment in sandy lop rabbits.

I.

Batchelor, G.R.

Sussex : The Institute; 1991 Aug.

Animal technology : journal of the Institute of Animal Technology v. 42 (2):

p. 109-120; 1991 Aug. Includes references.

Language: English

Descriptors: Rabbits; Floor pens; Groups; Environment; Enrichment; Animal behavior; Growth rate

Abstract: During a twelve month period of observation, the behavioural repertoire of group housed rabbits was found to be greatly enhanced compared with that of singly caged rabbits. Increased space which allowed freedom of movement in all directions, together with environmental enrichment, significantly improved the quality of life. The group housed rabbits' ability to interact with their peers lead to varying amounts of aggression and the probable establishment of a hierarchical order. This may be disadvantageous for the lower ranking animals, although perhaps not as disadvantageous as life in solitary confinement.

78 NAL Call. No.: QL55.A1L33

Group-housing rabbits.

Love, J.A.; Hammond, K.

New York, N.Y. : Nature Publishing Company; 1991 Sep.

Lab animal v. 20 (8): p. 37-38, 40-43; 1991 Sep. Includes references.

Language: English

Descriptors: Rabbits; Pens; Animal behavior

79 NAL Call. No.: SF996.5.G8

A guide to infectious diseases of guinea pigs, gerbils, hamsters, and rabbits

a report of the Committee on Laboratory Animal Diseases, Institute of

Laboratory Animal Resources, National Research Council.. ILAR news

Institute of Laboratory Animal Resources (U.S.). Committee on Laboratory

Animal Diseases

Washington, D.C. : National Academy of Sciences,; 1974.

16 p. ; 28 cm. Cover title. Reprinted from ILAR News, Vol. XVII, No. 4,

1974. "Copies available from Institute of Laboratory Animal Resources

National Academy of Sciences 2101 Constitution Ave., N.W. Washington, D.C.

20418"--T.p. verso. Includes bibliographies.

Language: English

Descriptors: Rabbits; Diseases; Laboratory animals; Diseases; Gerbils;

Diseases; Guinea pigs; Diseases; Hamsters; Diseases; Animal welfare

80 NAL Call. No.: S533.F66K2

Hand pets.

Hurlburt, Anna; Busset, Glenn M.

1975; 1975.

11 p. : ill. (Not part of a sequence.).

Language: ENGLISH

Descriptors: Rabbits; Guinea pigs; Hamster; Gerbils; Rats; Mice

Abstract: This publication describes the care, costs and equipment needed to raise and enjoy hand pets (Hamsters, gerbils, rats, mice, rabbits and guinea pigs) .

81 NAL Call. No.: QL55.A1L3

Handling and diet-induced atherosclerosis in rabbits.

Jeziarski, T.; Mekking, P.; Wiepkema, P.R.

London : Royal Society of Medicine Services; 1993 Jul.

Laboratory animals v. 27 (3): p. 235-239; 1993 Jul. Includes references.

Language: English

Descriptors: Rabbits; Atherosclerosis; Handling

Abstract: Atherosclerosis was induced in rabbits by feeding them a 2% cholesterol diet (CHOL) during a 5-week period. Twelve rabbits were fed with increasing amounts of CHOL food until the ad libitum level was reached, whereas in 24 other rabbits the food was limited to the amount eaten by the lowest consumer of the group to reduce individual variability in total amount of food consumed. Twice a day, half of the rabbits were handled carefully, the other half had normal laboratory practice contact with their caretaker. Feed intake and amount of atherosclerosis were determined for all experimental animals, while for the handled animals behavioural parameters and changes were recorded daily and per animal. On average the handled and non-handled rabbits took the same amount of food per week, although there were large individual differences. The handled animals showed some behavioural adaptation to being handled. Handling had no influence on atherosclerosis size; this latter measure was only roughly determined by the amount of CHOL food eaten.

82 NAL Call. No.: SF600.Z6

Heating methods for poultry and rabbit shelters.

Genova : (s.n.); Nov 1983.

Zootecnica international (11): p. 22-24. ill; Nov 1983.

Language: English; French

83 NAL Call. No.: 41.8 P27

Histologic alterations in the testes of laboratory rabbits.

Morton, D.; Weisbrode, S.E.; Wyder, W.E.; Maurer, J.K.; Capen, C.C.

Lawrence, Kan. : American College of Veterinary Pathologists; 1986 Mar.

Veterinary pathology v. 23 (2): p. 214-217. ill; 1986 Mar. Includes 8 references.

Language: English

Descriptors: Rabbits; Testes; Histology; Spermatogenesis; Germ cells;

Seminiferous tubules; Abnormalities

84 NAL Call. No.: 40.28 AM3

Housing English Angoras (Rabbits).

Halloran, G.

Lavergne, Tenn; Mar 1979.

American rabbit journal v. 48,i.e.49 (3): p. 7, 11; Mar 1979.

Language: ENGLISH

85 NAL Call. No.: QL55.I5

Housing rabbits the unconventional way.

Heath, M.; Stott, E.

Sussex : The Institute; 1990 Apr01.

Animal technology : journal of the Institute of Animal Technology v. 41 (1): p. 13-25. ill; 1990 Apr01. Includes references.

Language: English

Descriptors: Rabbits; Rabbit housing; Floor pens; Animal welfare

86 NAL Call. No.: TS1300.T44

How rabbit hair falls.

Ho, Z.G.; Liu, B.

Hong Kong : Business Press; 1987 Jun.

Textile Asia v. 18 (6): p. 68-71. ill; 1987 Jun.

Language: English

Descriptors: Rabbits; Hair; Structure; Breaking strength

87 NAL Call. No.: QL55.A1L33

How to briefly examine common laboratory animals.

Silverman, J.

New York : Media Horizons; 1988 May.

Lab animal v. 17 (4): p. 38-39; 1988 May.

Language: English

Descriptors: Dogs; Cat; Rabbits; Rats; Mice; Primates; Facilities; Animal health; Veterinary services

88 NAL Call. No.: 41.8 V6425

How to care for orphaned wild mammals.

Cherney, L.; Nieves, M.A.

Ames, Iowa : Iowa State University; 1991.

Iowa State University veterinarian v. 53 (2): p. 94-99; 1991. Includes references.

Language: English

Descriptors: Wild animals; Young animals; Artificial rearing; Rabbits; Squirrels

89 NAL Call. No.: SF453.8.H6

How to choose or design a hutch for your pet rabbits or guinea pigs.

Universities Federation for Animal Welfare

South Mimms, Potters Bar, Herts, Eng : The Federation,; 1990.

1 v. (unpaged) : ill. ; 22 cm. Cover title.

Language: English

Descriptors: Rabbits; Guinea pigs; Rabbit hutches

90 NAL Call. No.: Videocassette no.338

Humane care and use of laboratory animals Laboratory Animal Training

Association.. Mouse, rat and hamster Guinea pig and rabbit Dog and cat

Nonhuman primates

Laboratory Animal Training Association

Raleigh, N.C. : The Association,; 1988.

5 videocassette (200 min.) : sd., col. ; 1/2 in. + manual + answer key. Title from examination sheet. Includes examinations to complete training module.

Language: English

Descriptors: Laboratory animals; Animals, Treatment of; Study and teaching; Animal experimentation; Animal welfare

91 NAL Call. No.: SB993.45.G7H85

Humane control of rabbits.

Rees, W.A.; Ross, J.; Cowan, D.P.; Tittensor, A.M.; Trout, R.C.

Potters Bar : Universities Federation for Animal Welfare; 1985.

Humane control of land mammals and birds : proceedings of a symposium held at the University of Surrey ... England, 17th to 19th September, 1984 / (edited for UFAW by David P. Britt). p. 96-104; 1985. (Proceedings of UFAW Symposia/Workshops). Includes references.

Language: English

Descriptors: Rabbits; Crop damage; Crop loss; Pest control; Control methods; Animal welfare

92 NAL Call. No.: 410.9 P94

Hypervitaminosis A and reproductive disorders in rabbits.

DiGiacomo, R.F.; Deeb, B.J.; Anderson, R.J.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1992 Jun.

Laboratory animal science v. 42 (3): p. 250-254; 1992 Jun. Includes references.

Language: English

Descriptors: Rabbits; Vitamin a excess; Reproductive disorders; Retinyl acetate; Case reports; Congenital abnormalities

Abstract: Reproductive abnormalities in New Zealand White rabbits at a large commercial rabbitry were linked to an excess of dietary retinyl acetate. Fetal resorptions, abortions, and stillbirths were common in pregnant does.

Examination of aborted and stillborn fetuses disclosed hydrocephalus, microencephaly, and cleft palate. Analysis of the commercially prepared feed disclosed a total vitamin A content of 102,278 IU/kg, of which 97,618 IU was retinyl acetate (recommended total vitamin A concentrations are 6,000 to 12,000 IU/kg). Levels of vitamin A in the plasma of does with reproductive disorders were 517 to 1,667 ng/ml (normal level is 300 ng/ml), and liver levels were 2,070 to 12,854 micrograms/g (normal range is 50 to 300 micrograms/g).

93 NAL Call. No.: 444.8 AC82

Implantation in the rabbit: ultrastructural features of nuclei involved in

sympiasm formation.

Segalen, J.; Lescoat, D.; Chambon, Y.

Basel : S. Karger; Feb 1984.

Acta anatomica v. 118 (2): p. 110-115. ill; Feb 1984. Includes references.

Language: English

94 NAL Call. No.: 41.8 C93

Individual care and treatment of rabbits, mice, rats, guinea pigs, hamsters, and gerbils (Includes clinical aspects).

Schuchman, S.M.

Philadelphia, W.B. Saunders; 1980.

Current veterinary therapy; small animal practice v. 7: p. 741-767. ill; 1980. 15 ref.

Language: ENGLISH

95 NAL Call. No.: SF756.7.I5 1984

Induced reactions in neonate rabbits at different ages; related to body weight and dam's age.

Verga, M.; Pizzi, F.; Canali, E.; Crimella, C.

Darmstadt : Kuratorium fur Technik und Bauwesen in der Landwirtschaft, [1984?]; 1984.

Proceedings of the International Congress on Applied Ethology in Farm Animals, Kiel, 1984 / edited by J. Unshelm, G. van Putten and K. Zeeb ; sponsored by the Federal Ministry of Food, Agriculture and Forestry. p. 88-92; 1984.

Includes references.

Language: English

Descriptors: Rabbits; Neonates; Age differences; Body weight; Female animals; Maternal behavior; Animal behavior

96 NAL Call. No.: QP251.A1T5

Influence of beta-carotene on fertility in rabbits when using embryo transfer programs.

Besenfelder, U.; Solti, L.; Seregi, J.; Brem, G.

Stoneham, Mass. : Butterworth-Heinemann; 1993 May.

Theriogenology v. 39 (5): p. 1093-1109; 1993 May. Includes references.

Language: English

Descriptors: Rabbits; Beta-carotene; Superovulation

Abstract: The effect of beta-carotene on reproduction traits in rabbits was studied in 509 (superovulated and normally ovulated) donors and 239 recipients by using embryo/gene transfer performed at 2 different locations. All of the bucks and the half of the females were fed a diet supplemented with 40 mg synthetic beta-carotene (Rovimix)/kg feed. Embryos at the pronucleus stage were collected 19 to 21 hours after induction of ovulation with human chorionic gonadotropin (hCG); they were then microinjected into the male

pronucleus and transferred to synchronized recipients. Data were obtained from the time when the donors and recipients were caged, until the pups resulting from the embryo transfers were weaned. Supplemented beta-carotene did not affect most of the 30 traits that were analyzed. However superovulated donors in Project 2 that received the beta-carotene enriched diet had a 14% lighter ovary weight ($P < 0.05$) and less than half of the oocytes were unfertilized ($P < 0.05$). In Project 1 (beta-carotene group) there was a greater number of pups born (36%, $P < 0.05$) and more of these pups were born alive (53%, $P < 0.05$).

97 NAL Call. No.: S341.A5

Inheritance of heat tolerance traits in rabbits.

Hanafi, M.S.; Afifi, E.A.; Toson, M.A.

Moshtohor : Zagazig University; 1984.

Annals of agricultural science (Moshtohor) v. 21 (2): p. 359-366; 1984.

Includes references.

Language: English

Descriptors: Rabbits; Progeny trials; Heat stress; Heat adaptation;
Heritability

98 NAL Call. No.: QL55.S5 1986

An introduction to handling laboratory animals., [Rev. 1986].

Bethesda, Md.? : Uniformed Services University of the Health Sciences?, 1986?
.:; 1986.

The use of animals in research / compiled by Richard C. Simmonds. p. 21-26;
1986.

Language: English

Descriptors: Laboratory animals; Handling; Rodents; Rabbits; Dogs; Cat;
Restraint

99 NAL Call. No.: QL55.S5 1986

An introduction to safety., [Rev. 1986].

Bethesda, Md.? : Uniformed Services University of the Health Sciences?, 1986?
.:; 1986.

The use of animals in research / compiled by Richard C. Simmonds. p. 36-43;
1986.

Language: English

Descriptors: Laboratory animals; Handling; Cat; Dogs; Rabbits; Rodents;
Safety; Injuries; Zoonoses

100 NAL Call. No.: QL55.S5 1986

An introduction to the rabbit., [Rev. 1986].

Bethesda, Md.? : Uniformed Services University of the Health Sciences?, 1986?
.:; 1986.

The use of animals in research / compiled by Richard C. Simmonds. p. 173-188;

1986.

Language: English

Descriptors: Rabbits; Animal husbandry; Handling; Animal housing; Cages; Identification; Rabbit feeding; Euthanasia; Animal health

101 NAL Call. No.: QH324.C7

Ketanserin modulates rabbit foot cooling in the presence or absence of exogenous serotonin.

Dubose, D.A.; Lukason, M.; Mariano, R.; Harris, R.; Silver, G.

Duluth, Minn. : Academic Press; 1988 Jun.

Cryobiology v. 25 (3): p. 233-237; 1988 Jun. Includes references.

Language: English

Descriptors: Rabbits; Feet; Cold stress; Drug therapy; Serotonin

102 NAL Call. No.: SF454.V3

Korma i kormlenie krolikov [The feeding and feeds of rabbits].

Vagin, Evgenii Aleksandrovich

Moskva Izd-vo Ministerstva sel'skogo khoziaistva RSFSR; 1959.

23 p..

Language: ENGLISH

Descriptors: Rabbits; Feeding and feeds

103 NAL Call. No.: SF406.H5

Laboratory manual for basic biomethodology of laboratory animals.

Hitzelberg, Richard; Lundgren, Edward; Phillips, Jere

Silver Spring, Md. : MTM Associates, c1985-1987; 1985-1987.

2 v. : chiefly ill. ; 30 cm.

Language: English

Descriptors: Laboratory animals; Animal models in research; Laboratory manuals; Animal experimentation; Methodology; Animal welfare

104 NAL Call. No.: QL55.U5 1987

The laboratory rabbit., 6th ed.

Adams, C.E.

London : Longman; 1987.

The UFAW handbook on the care and management of laboratory animals / edited by Trevor B. Poole; editorial assistant, Ruth Robinson. p. 415-435; 1987.

Language: English

Descriptors: Rabbits; Biology; Animal husbandry; Laboratory methods; Disease control

105 NAL Call. No.: QL737.L32J6

Lexicography in the rabbitry (Terminology suggested for rabbits and rabbit meat).

McNitt, J.I.

Corvallis : OSU Rabbit Research Center; 1981.

The Journal of applied rabbit research v. 4 (4): p. 100-102; 1981. Includes references.

Language: English

106 NAL Call. No.: QL55.A1L3

Management of craniotomy in young rabbits.

Alberius, P.; Klinge, B.; Isaksson, S.

London : Royal Society of Medicine Services; 1989 Jan.

Laboratory animals v. 23 (1): p. 70-72; 1989 Jan. Includes references.

Language: English

Descriptors: Rabbits; Young animals; Skulls; Surgical operations

Abstract: A safe and easy-to-manage technique for various craniotomy procedures in young rabbits has been developed. This technique, which minimizes the need for special instrumentation, has been tested in 90 animals with a minimal mortality and morbidity: one death perioperatively caused by sagittal sinus bleeding and one rabbit disclosing a brief period of postoperative illness, respectively. The technique, including postsurgical strategy, is described in detail.

107 NAL Call. No.: SF1.L53

Management of rabbits for meat production.

Shanmugasundaram, S.; Selvaraj, K.M.

Bangalore, Livestock Adviser; Sept 1979.

Livestock adviser v. 4 (9): p. 9-12; Sept 1979.

Language: ENGLISH

108 NAL Call. No.: QL751.R69

Maternal behavior and its endocrine basis in the rabbit.

Zarrow, M.X.; Sawin, P.B.; Ross, S.; Denenberg, V.H.

New York : Hafner Pub. Co., 1968 [i.e. 1969]; 1962.

Roots of behavior : genetics, instinct, and socialization in animal behavior / by thirty-one authors; edited by Eugene L. Bliss. p. 187-197. ill; 1962.

Includes references.

Language: English

Descriptors: Rabbits; Maternal behavior; Genetics; Nests; Boxes; Hormone secretion; Endocrinology

109 NAL Call. No.: 41.8 AM3

Medical and surgical management of gastric obstruction from a hairball in the rabbit.

Gillett, N.A.; JAVMA; Brooks, D.L.; Tillman, P.C.

Schaumburg : The Association; Dec 1, 1983.

Journal of the American Veterinary Medical Association v. 183 (11): p. 1176-1178; Dec 1, 1983. Includes references.

Language: English

110 NAL Call. No.: QH581.A1Z4

Membrane events involved in fusion of uterine epithelial cells in pseudopregnant rabbits.

Winterhager, E.; Busch, L.C.; Kuhnel, W.

Berlin, W. Ger. : Springer International; 1984.

Cell and tissue research v. 235 (2): p. 357-363. ill; 1984. Includes references.

Language: English

111 NAL Call. No.: QD415.A1X4

Metabolism in vivo of the tropane alkaloid, scopolamine, in several mammalian species.

Wada, S.; Yoshimitsu, T.; Koga, N.; Yamada, H.; Oguri, K.; Yoshimura, H.

London : Taylor & Francis; 1991 Oct.

Xenobiotica v. 21 (10): p. 1289-1300; 1991 Oct. Includes references.

Language: English

Descriptors: Tropane alkaloids; Plant composition; Drug metabolism; Species differences; Urine; Metabolites; Rats; Mice; Guinea pigs; Rabbits

Abstract: 1. In vivo metabolism of scopolamine was studied in rats, mice, guinea pigs and rabbits. The structures of eight urinary metabolites including unchanged drug were elucidated by mass and nuclear magnetic resonance spectrometry. Determination of these metabolites was achieved by a g.l.c. method using a semi-capillary column. 2. The major metabolites in rats were the three phenolic metabolites, p-hydroxy-, m-hydroxy- and p-hydroxy-m-methoxy-scopolamine. 3. Significant intra-species difference of the metabolism was observed in rabbits. Tropic acid was the major metabolite in two rabbits out of three, while the other rabbit excreted mainly unchanged scopolamine, accompanied by five metabolites. Tropic acid was also the major metabolite in guinea pigs, but was of minor importance in mice. 4. The dehydrated metabolites, aposcopolamine and aponorscopolamine, were abundantly excreted in guinea pigs, moderately in mice, and least in rabbits and rats. 5. Excretion of glucuronide conjugates of scopolamine and norscopolamine were high in mice compared with other species. On the other hand, phenolic metabolites in rat urine, and tropic acid in rabbit and guinea pig urine, were excreted as the free forms. 6. These results indicate that scopolamine metabolism is highly species-specific.

112 NAL Call. No.: QL55.A1L3

A method for culturing the nasopharyngeal area of rabbits.

Holmes, H.T.; Matsumoto, M.; Patton, N.M.; Harris, D.J.

Essex : Laboratory Animal Science Association; 1987 Oct.

Laboratory animals v. 21 (4): p. 353-355. ill; 1987 Oct. Includes references.

Language: English

Descriptors: Rabbits; Tissue culture; Pharynx; Nose; Pasteurella multocida

Abstract: A method for obtaining antemortem nasopharyngeal cultures is described. Its usefulness for detecting the carrier state of *Pasteurella multocida* in clinically normal, apparently healthy nasal-culture-negative rabbits is also discussed.

113 NAL Call. No.: QD415.A1J6

Misidentification by wild rabbits, *Oryctolagus cuniculus*, of group members carrying the odor of foreign inguinal gland secretion. III. Experiments with mixed sex groups and analysis of further data from all-male and all-female groups (Behavior, aggression).

Hesterman, E.R.; Malafant, K.; Mykytowycz, R.

New York, N.Y. : Plenum Press; Mar 1984.

Journal of chemical ecology v. 10 (3): p. 403-419; Mar 1984. Includes references.

Language: English

114 NAL Call. No.: QL55.A1L3

Monitoring of blood gas parameters and acid-base balance of pregnant and non-pregnant rabbits (*Oryctolagus cuniculus*) in routine experimental conditions.

Barzago, M.M.; Bortolotti, A.; Omarini, D.; Aramayona, J.J.; Bonati, M.

London : Royal Society of Medicine Services; 1992 Apr.

Laboratory animals v. 26 (2): p. 73-79; 1992 Apr. Includes references.

Language: English

Descriptors: Rabbits; Pregnancy; Blood; Gases; Acid base equilibrium; Anesthesia

Abstract: Blood gas parameters and acid-base balance values were determined in adult pregnant New Zealand rabbits (*Oryctolagus cuniculus*) in standard laboratory housing conditions and during anaesthesia with an association of ketamine-chlorpromazine, administered before surgical procedures. All the variables were also studied in adult non-pregnant female, used as controls. No differences in pH, sO₂c, O₂Hb, COHb, sO₂m and a-vDO₂ were found between pregnant and non-pregnant rabbits in physiological conditions and during anaesthesia. Ketamine-chlorpromazine and pregnancy seemed to change the other parameters used to assess the acid-base balance and the oxygenation conditions. Anaesthesia affected only Hb, O₂Ct, O₂Cap, C₂O₂ and P₅₀. The additive effect of pregnancy and anaesthesia modified pCO₂, PO₂, HCO₃⁻, TCO₂,

BEb, SBC, BEecf, A-aDO2, RI, MetHb, RHb, CaO2 and CvO2. The patterns described are close to those of other species, suggesting the New Zealand rabbit might be a reliable animal model for monitoring selected variables.

115 NAL Call. No.: 41.8 AM3A

Morphogenesis of rabbit small intestinal mucosa (Histology).

Toofanian, F.; Targowski, S.P.

Schaumburg : American Veterinary Medical Association; Dec 1982.

American journal of veterinary research v. 43 (12): p. 2213-2219. ill; Dec 1982. 18 ref.

Language: English

116 NAL Call. No.: 1 Ag84C no.883

Mortality among hutch-raised domestic rabbits.

Lund, Everett Eugene,

Washington, D.C. : U.S. Dept. of Agriculture,; 1951.

14 p. : charts ; 23 cm. (Circular / United States Department of Agriculture ; no. 883). Caption title. Bibliography: p. 14.

Language: English

Descriptors: Rabbits; Mortality

117 NAL Call. No.: QL750.A33

Motor aspects of masculine sexual behavior in rats and rabbits.

Morali, G.; Beyer, C.

San Diego, Calif. : Academic Press; 1992.

Advances in the study of behavior v. 21: p. 201-238; 1992. Includes references.

Language: English

Descriptors: Rats; Rabbits; Male animals; Sexual behavior; Copulation; Movement; Female animals; Sex hormones

118 NAL Call. No.: 444.8 AC82

Myocardial ultrastructural changes in alloxan-induced diabetes in rabbits.

Bhimji, S.; Godin, D.V.; McNeill, J.H.

Basel : S. Karger; 1986 Mar.

Acta anatomica v. 125 (3): p. 195-200. ill; 1986 Mar. Includes references.

Language: English

Descriptors: Rabbits; Experimental diabetes; Myocardium; Ultrastructure; Mitochondria

119 NAL Call. No.: SF453.V75

The new rabbit handbook everything about purchase, care, nutrition, breeding,

and behavior.

Vriends-Parent, Lucia; Vriends, Matthew M.,

New York : Barron's,; 1989.

133 p. : ill. (some col.) ; 20 cm. Includes index. Bibliography: p. 125-126.

Language: English

Descriptors: Rabbits; Handbooks, manuals, etc; Animal welfare

120 NAL Call. No.: 410 B393

Nipple location by newborn rabbits: behavioural evidence for pheromonal guidance.

Hudson, R.; BEHAA; Distel, H.

Leiden : E.J. Brill; 1983.

Behaviour v. 85 (pts.3/4): p. 260-275. ill; 1983. Includes references.

Language: English; German

121 NAL Call. No.: QL55.A1L33

A non-stressful alternative to gastric gavage for oral administration of antibiotics in rabbits.

Marr, J.M.; Gnam, E.C. III; Calhoun, J.; Mader, J.I.

New York, N.Y. : Nature Publishing Company; 1993 Feb.

Lab animal v. 22 (2): p. 47-49; 1993 Feb. Includes references.

Language: English

Descriptors: Rabbits; Oral administration; Antibiotics

122 NAL Call. No.: QL737.L32J6

A note on growing weanling rabbits in feedlot cages.

Harris, D.J.; Lukefahr, S.D.; Cheeke, P.R.; Patton, N.M.

Corvallis : OSU Rabbit Research Center; 1981.

The Journal of applied rabbit research v. 4 (3): p. 73-74. ill; 1981.

Includes references.

Language: English

123 NAL Call. No.: QH212.E4I5 1982 V.3

Observations of mammalian spermatozoa after rapid-freezing and deep-etching (Boar, rabbit).

Toyama, Y.; Nagano, T.; Suzuki, F.

Frankfurt/Main, West Germany : Deutsche Gesellschaft fur

Elektronenmikroskopie, c1982; 1982.

Electron microscopy 1982 : 10th International Congress on Electron Microscopy

held in Hamburg, West Germany, August 17-24, 1982 / editor, the Congress

Organizing Committee. p. 221-222. ill; 1982. Includes references.

Language: English

124 NAL Call. No.: 410.9 L84P

The occurrence and significance of a pectoral mane in rabbits and hares.

Corbet, G.B.; JZOOA

London : Academic Press; Feb 1983.

Journal of zoology v. 40 (2): p. 541-546. ill; Feb 1983. 11 ref.

Language: English

125 NAL Call. No.: 41.8 J82

Occurrence of multinucleated giant cells in the appendix of clinically healthy rabbits.

Feinstein, R.E.; Nikkila, T.

London : Academic Press; 1988 Nov.

Journal of comparative pathology v. 99 (4): p. 439-447. ill; 1988 Nov.

Includes references.

Language: English

Descriptors: Rabbits; Cells; Lymphatic system; Ultrastructure

126 NAL Call. No.: 442.8 J8222

Oestrous behaviour and circulating progesterone and oestrogen levels during pseudopregnancy in the domestic rabbit.

Caillol, M.; JRPFA; Dauphin-Villemant, C.; Martinet, L.

Colchester : Journal of Reproduction and Fertility; Sept 1983.

Journal of reproduction and fertility v. 69 (1): p. 179-186; Sept 1983.

Includes references.

Language: English

127 NAL Call. No.: QL1.A73

On the presence, structure and probable functional role of taste buds located on the laryngeal surface of the epiglottis in some domestic animals.

Palmieri, G.; Asole, A.; Panu, R.; Sanna, L.; Farina, V.

Paris : Editions Alsatia; 1983.

Archives d'anatomie, d'histologie et d'embryologie v. 66: p. 55-66. ill; 1983.

Includes 23 references.

Language: English

Descriptors: Cattle; Goats; Pigs; Rabbits; Guinea pigs; Rats; Horses; Ass;

Dogs; Cat; Larynx; Animal anatomy

128 NAL Call. No.: 100 M693 (3) no.411

Oral effectiveness of the dimethyl ether of diethylstilbestrol and of various steroid hormones on the mammary glands of mice and rabbits.

Trentin, John Joseph.; Turner, C. W.

Columbia, Mo. : University of Missouri, College of Agriculture, Agricultural Experiment Station.; 1948.

33 p. : ill. ; 23 cm. (Research bulletin / University of Missouri, Agricultural Experiment Station ; 411). "Publication authorized December 18, 1947"--T.p. Bibliography: p. 31-33.

Language: English

Descriptors: Diethylstilbestrol; Mammary glands; Hormones, Sex; Mice; Anatomy; Rabbits; Anatomy

129 NAL Call. No.: QL55.A1L33

Pain relief for rabbits and technicians: using Innovar-Vet to minimize blood-withdrawal stress.

Stickrod, G.; Chadwick, C.

New York, N.Y., United Business Publications; May 1982.

Lab animal v. 11 (4): p. 48-49; May 1982. 7 ref.

Language: English

130 NAL Call. No.: 410.9 P94

Partial characterization of plasmids from rabbit isolates of *Pasteurella multocida*.

Gunther, R.; Manning, P.J.; Bouma, J.E.; DeLong, D.; Cook, D.B.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1991 Oct.

Laboratory animal science v. 41 (5): p. 423-426; 1991 Oct. Includes references.

Language: English

Descriptors: Rabbits; *Pasteurella multocida*; Plasmids; Characterization; Symptoms; Pathology; Bacterial toxins; Cell structure; Chemical properties; Drug resistance

Abstract: Plasmids have not been reported for isolates of *Pasteurella multocida* from rabbits. We assayed 28 isolates of rabbit *P. multocida* for plasmids and sought to determine whether or not plasmid presence correlated with clinical or pathologic findings, serotype, toxin production, possession of pili, or biochemical characteristics. Fourteen isolates bore a single 1.6 Md (covalently closed circular form in 0.7% agarose gels) plasmid. An additional isolate had two plasmids which migrated as a closely-spaced doublet, centered around 1.6 Md. Eleven isolates appeared to have identical plasmids, according to Hae III and Hinf I digests. The apparent linear size of this common plasmid in 2% agarose gels was 2.1 Md, as calculated from the sums of the sizes of Hae III or Hinf I digestion fragments. Linearization of the common plasmid with Msp I produced an apparent size of 2.5 Md in 0.7% agarose gels. No correlations between presence of the common plasmid and somatic serotype, toxigenicity, presence of pili, antimicrobial resistance, selected biochemical characteristics, anatomic site from which the bacteria were cultured, or disease status of the host were found.

131 NAL Call. No.: QL55.A1L3

Pathogenicity of *Pasteurella multocida* A:3 in Flemish Giant and New Zealand

White rabbits.

Dillehay, D.L.; Paul, K.S.; DiGiacomo, R.F.; Chengappa, M.M.

London : Royal Society of Medicine Services; 1991 Oct.

Laboratory animals v. 25 (4): p. 337-341; 1991 Oct. Includes references.

Language: English

Descriptors: Rabbits; Pasteurella multocida; Pasteurellosis; Pathogenicity; Susceptibility; Breed differences; Disease resistance

Abstract: Pasteurella multocida A:3 was isolated during an outbreak of pasteurellosis in Flemish Giant (FG) rabbits. Since New Zealand White (NZW) rabbits housed in the same room were not as severely affected as FG rabbits, experimental inoculation was undertaken to determine if FG rabbits were more susceptible than NZW rabbits to pasteurellosis induced by this isolate. Rabbits of each breed were inoculated with P. multocida A:3 and observed for 3 weeks. Four of 5 FG rabbits developed severe clinical disease on days 6, 9, 12 and 14 after inoculation; whereas, the one affected NZW rabbit became ill 14 days after inoculation. All rabbits with clinical disease developed fibrinosuppurative pleuritis, pyothorax and pneumonia which was more severe in FG than NZW rabbits. At necropsy, P. multocida A:3 was isolated from multiple sites of the diseased rabbits. No significant difference ($P = 0.099$) in the prevalence of lesions between the two breeds was found; however, the score of pneumonia and pleuritis was 3 times greater in FG rabbits than NZW rabbits.

132 NAL Call. No.: 410 B393

The pattern of behaviour of rabbit pups in the nest (*Oryctolagus cuniculus*).

Hudson, R.; Distel, H.

Leiden, E.J. Brill; 1982.

Behaviour v. 79 (pt.2/4): p. 255-271. ill., 3 plates; 1982. Includes 2 p. ref.

Language: English; German

133 NAL Call. No.: SF601.A47

Phentolamine vs local care in non-systemic loxoscelism in rabbits (*Loxosceles reclusa* venom).

Gerren, L.; VHTOD; Vogler, G.; De Castro, F.J.; Jawger, R.W.

Manhattan : American College of Veterinary Toxicologists; 1982.

Veterinary and human toxicology v. 24 (suppl.): p. 141-144; 1982. 22 ref.

Language: English

134 NAL Call. No.: 410.9 P94

Physiological stabilization of rabbits after shipping.

Toth, L.A.; January, B.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1990 Jul.

Laboratory animal science v. 40 (4): p. 384-387; 1990 Jul. Includes references.

Language: English

Descriptors: Rabbits; Transport of animals; Air transport; Road transport; Stress; Duration

Abstract: Significant physiological variations that could influence experimental outcomes have been described in laboratory animals following shipping. The objective of the present study was to monitor a variety of physiologic parameters in rabbits after shipping, and to evaluate the time necessary for stabilization of these variables in the new environment. Data indicate that rabbits develop anorexia, hyperglycemia, neutrophilia, lymphopenia and elevated plasma cortisol concentrations immediately after shipping. Most of these effects abate within 2 days after arrival, suggesting that a minimum stabilization period of 48 hours after shipping is advisable prior to use of rabbits in experimental paradigms.

135 NAL Call. No.: SF91.I568 1987

Plastic tunnels for animal breeding.

Gamon, D.J.; Vivier, T.

St. Joseph, Mich.? : The Society; 1987.

Latest developments in livestock housing : Seminar of the 2nd Technical Section of the C.I.G.R. / Univ of Illinois, Urbana-Champaign, Illinois, USA, June 22-26, 1987 ; hosted by American Society of Agricultural Engineers. p. 383-398. ill., maps; 1987. (Reports / International Commission of Agricultural Engineering).

Language: English

Descriptors: France; Poultry housing; Pig housing; Rabbits; Plastic tunnels; Geographical distribution; Layout and planning; Support measures; Regulations; Ventilation; Animal breeding; Economic analysis

136 NAL Call. No.: QL55.I5

Poor breeding performance of rabbits.

Assal, A.N.

Sussex : The Institute; 1988 Dec.

Animal technology : journal of the Institute of Animal Technology v. 39 (3): p. 183-187; 1988 Dec. Includes references.

Language: English

Descriptors: Australia; Rabbits; Animal breeding; Performance; Newborn animals; Survival; Mortality; Postmortem examinations; Animal husbandry

137 NAL Call. No.: QL55.A1L33

Post-operative analgesia in rabbits and rodents.

Flecknell, P.A.

New York, N.Y. : Nature Publishing Company; 1991 Oct.

Lab animal v. 20 (9): p. 34-37; 1991 Oct. Includes references.

Language: English

Descriptors: Laboratory animals; Postoperative care; Pain; Analgesics

138 NAL Call. No.: 511 P444AEB

Potential of the oxidation-reduction state of the cortex in the rabbit brain during hypnosis (immobilization stress).

Shvets-Teneta-Gurii, T.B.

New York, N.Y. : Consultants Bureau; 1991 May.

Doklady : biological sciences - Akademiia nauk SSSR v. 315 (1/6): p. 769-771; 1991 May. Translated from: Doklady Akademii Nauk SSSR, v. 315 (4), 1990, p. 1014-1017. (511 P444A). Includes references.

Language: English; Russian

Descriptors: Rabbits; Strains; Cerebral cortex; Immobilization; Redox potential

139 NAL Call. No.: Videocassette no.204

Practical methodology from the University of California, Davis ; produced by the Department of Instructional Media for the School of Veterinary Medicine..

Humane handling and laboratory techniques for the rabbit Humane handling and laboratory techniques for the guinea pig Humane handling and laboratory techniques for the mouse Endotracheal intubation of the rat and hamster Endotracheal intubation of the guinea pig Endotracheal intubation of the rabbit

Brooks, Dale L.; Timm, Karen; John, Sharon

University of California, Davis, School of Veterinary Medicine, University of California, Davis, Instructional Media

Davis, Calif. : The School,; 1987-9999.

videocassettes (U-matic) (min.) : sd., col. ; 3/4 in.

Language: English

Descriptors: Laboratory animals; Handling; Guinea pigs as laboratory animals; Rabbits as laboratory animals; Mice as laboratory animals; Animal welfare

140 NAL Call. No.: Slide no.280

Practical methodology humane handling and laboratory techniques for the rabbit.. Humane handling and laboratory techniques for the rabbit The rabbit

Brooks, Dale L.; Rubin, Carol; Porte, William G.

University of California, Davis, School of Veterinary Medicine

Davis : School of Veterinary Medicine, University of California, Davis,; 1987.

80 slides : col. + 1 sound cassette (21 min. : 1 7/8 ips) + 1 guide (11 p. ; 28 cm.). Label on cassette: Practical methodology : the rabbit. Set no.865.

Language: English

Descriptors: Rabbits as laboratory animals; Laboratory animals; Handling; Animals, Treatment of; Animal welfare

141 NAL Call. No.: Videocassette no.688

Practical methodology humane handling and laboratory techniques for the rabbit.. Humane handling and laboratory techniques for the rabbit Rabbit
Brooks, Dale L.
University of California, Davis, School of Veterinary Medicine, University of California, Davis, Instructional Media
Davis : School of Veterinary Medicine, University of California, Davis,; 1987.
1 videocassette (25 min.) : sd., col. ; 1/2 in. + 1 script. VHS. Copyright held by the Regents of University of California. "Tape no. 3326-1"--Container.

Language: English

Descriptors: Rabbits as laboratory animals; Laboratory animals; Animal immobilization

142 NAL Call. No.: 410 B77
Pregnancy and chin marking in the rabbit, *Oryctolagus cuniculus*.
Soares, M.J.; Diamond, M.
London : Bailliere Tindall; 1982 Aug.
Animal behaviour v. 30 (pt.3): p. 941-943. ill; 1982 Aug. Includes references.

Language: English

Descriptors: Rabbits; Pregnancy; Estrus; Animal behavior; Scent glands; Secretions

143 NAL Call. No.: MLCM 84/305 1975
Proceedings of the Third Rabbit Disease and Management Conference : Blake Hall, Cook College, New Brunswick, N.J. : Saturday, September 20, 1975.
Kingsbury, Frank W.
Rabbit Disease and Management Conference 1975 Cook College Rabbit Disease and Management Conference 1975 Cook College Rabbit Disease and Management Conference 1975 Cook College.
New Brunswick, N.J. Rutgers - the State University of New Jersey (1975?; 1975. ii, 78 p. ; 28 cm. Includes bibliographical references.

Language: English

144 NAL Call. No.: MLCM 84/305 1975
Proceedings of the Third Rabbit Disease and Management Conference : Blake Hall, Cook College, New Brunswick, N.J. : Saturday, September 20, 1975.
Kingsbury, Frank W.
Rabbit Disease and Management Conference 1975 Cook College Rabbit Disease and Management Conference 1975 Cook College Rabbit Disease and Management Conference 1975 Cook College.
New Brunswick, N.J. Rutgers - the State University of New Jersey (1975?; 1975. ii, 78 p. ; 28 cm. Includes bibliographical references.

Language: English

145 NAL Call. No.: 100 In2P no.283
The production, feeding and care of rabbits.
Shrewsbury, Charles Leslie.; Hatfield, J. D.
Lafayette, Ind. : Purdue University, Agricultural Experiment Station,; 1943.
6 p. : ill. ; 23 cm. (Circular (Purdue University. Agricultural Experiment
Station) ; 283.). Cover title.

Language: English; English

Descriptors: Rabbits

146 NAL Call. No.: Videocassette no.691
Professional advice for the care of cage-dwelling pets, including gerbils,
hamsters, rabbits, guinea pigs, rats and mice featuring Michael Fox..
Hamsters & rabbits Hamsters and rabbits
Fox, Michael W.,
Tulchin Studios, Maier Group Communications
New York, NY : Tulchin Studios : Distributed by Maier Communications,; 1989.
1 videocassette (45 min.) : sd., col. ; 1/2 in. (Dr. Michael Fox animal
series). VHS. Title on container: Hamsters & rabbits.

Language: English

Descriptors: Hamsters; Rabbits; Gerbils; Guinea pigs; White mice; Animal
welfare

Abstract: Professional advice for the care of cage-dwelling pets. Includes
information on gerbils, guinea pigs and white mice.

147 NAL Call. No.: TH4911.F37
Progress in rabbit housing.
Partridge, G.G.
Aberdeen : Scottish Farm Buildings Investigation Unit; 1985 Jul.
Farm building progress (81): p. 23-26. ill; 1985 Jul. Includes 10 references.

Language: English

Descriptors: Scotland; Rabbits; Floors; Temperatures; Mortality; Reproductive
performance; Boxes

148 NAL Call. No.: SF455.D85M4813 1992
The proper care of dwarf rabbits.. Alles uber Zwerkaninchen
Mettler, Michael
Neptune City, NJ : T.F.H. Publications,; 1992.
255 p. : col. ill. ; 19 cm. "TW-121"--Spine. Includes bibliographical
references (p. 254) and index.

Language: English

Descriptors: Dwarf rabbits

149 NAL Call. No.: aSD11.U593

Quail, doves, and rabbits (Habits, behavior, signs of habitation).

Hurst, G.A.

Asheville, N.C., The Area; Sept 1981.

Forestry report SA-FR - United States Forest Service, Southeastern Area (15):
p. 18-20. ill; Sept 1981.

Language: English

Descriptors: South Eastern States (USA)

150 NAL Call. No.: SF77.M35

The rabbit.

Riggs, R.J.

Joliet, Ill. : American Association for Laboratory Animal Science; 1984.

Manual for assistant laboratory animal technicians / edited by Walter B. Sapanski, Jr., and John E. Harkness. p. 209-232, 420. ill; 1984. (Publication / American Association for Laboratory Animal Science ; 84-1). Includes references.

Language: English

Descriptors: Rabbits; Identification; Handling; Restraint of animals; Rabbit feeding; Water intake; Animal housing; Physiology; Morphology; Animal breeding; Behavior patterns; Injections; Disease prevention

151 NAL Call. No.: RD29.5.R33K36

The rabbit.

Kaplan, Harold Morris,; 1908-; Timmons, Edward H.

New York Academic Press; 1979.

x, 167 p. : ill. Includes bibliographies and index.

Language: ENGLISH

Descriptors: Surgery, Experimental; Physiology, Experimental; Rabbits as laboratory animals; Rabbits; Surgery; Rabbits; Physiology

152 NAL Call. No.: QL55.H42

The rabbit as a research subject.

Fox, R.R.

Washington, D.C. : Foundation for Biomedical Research, [1985?]; 1985.

Health benefits of animal research / edited by William I. Gay for the Foundation for Biomedical Research. p. 21-30; 1985. Literature review. Includes references.

Language: English

Descriptors: Rabbits; Animal husbandry; Animal research; Laboratory techniques; Animal diseases; Medical research

153 NAL Call. No.: Z7994.L3A5

The rabbit eye irritancy test--are there in vitro alternatives?.

Scaife, M.C.

Nottingham : Fund for the Replacement of Animals in Medical Experiments; 1985

Mar.

Alternatives to laboratory animals : ATLA v. 12 (3): p. 157-162; 1985 Mar.

Literature review. Includes references.

Language: English

Descriptors: Rabbits; Eyes (animal); Test procedure; Animal testing

alternatives; Animal welfare; Cell culture; In vitro

154 NAL Call. No.: S544.3.C2C3

Rabbit handbook (Selection, feeding, management, diseases)., Rev..

Brooks, D.; Coates, S.; Matthews, D.E.; Matthews, E.E.; Berry, S.L.

CA

Berkeley, Calif., The Service; Aug 1980.

Leaflet - University of California, Cooperative Extension Service (21020): 27

p. ill; Aug 1980.

Language: ENGLISH

155 NAL Call. No.: SF601.V523

Rabbit husbandry and medicine.

Harkness, J.E.

Philadelphia, Pa. : W.B. Saunders Company; 1987 Sep.

The Veterinary clinics of North America : Small animal practice v. 17 (5): p.

1019-1044. ill; 1987 Sep. In the series analytic: Exotic pet medicine /

edited by J.E. Harkness. Includes references.

Language: English

Descriptors: Rabbits; Animal husbandry; Cages; Reproduction; Rabbit feeding;

Disease prevention; Rabbit diseases

156 NAL Call. No.: SF1.F63 no.21

The Rabbit husbandry, health and production.

Lebas, F.

Rome : Food and Agriculture Organization of the United Nations,; 1986.

xxiv, 235 p., [8] p. of plates : ill. (some col.), maps ; 23 cm. (FAO animal

production and health series ; no. 21). Bibliography: p. 231-235.

Language: English

Descriptors: Rabbits

157 NAL Call. No.: QL750.A6

Rabbit nest construction and its relationship with litter development.

Canali, E.; Ferrante, V.; Todeschini, R.; Verga, M.; Carezzi, C.

Amsterdam : Elsevier Science Publishers, B.V.; 1991 Aug.

Applied animal behaviour science v. 31 (3/4): p. 259-266; 1991 Aug. Includes references.

Language: English

Descriptors: Rabbits; Nesting; Litters; Growth; Survival; Maternal behavior; Prenatal period; Microclimate; Nests; Quality

158 NAL Call. No.: SF453.S76

Rabbit production.

Supene, N. J.

British Columbia, Ministry of Agriculture and Food

Victoria, B.C. : Province of British Columbia, Ministry of Agriculture and Food,; 1983.

23 p. : ill. ; 23 cm. 83-1. Bibliography: p. 23.

Language: English

Descriptors: Rabbits; Breeding; Rabbits; Animal welfare

159 NAL Call. No.: 1 Ag84F no.1730

Rabbit production.

Ashbrook, Frank Getz,; Kellogg, Charles E.

Washington, D.C. : U.S. Dept. of Agriculture,; 1934.

ii, 38 p. : ill., plans ; 23 cm. (Farmers' bulletin / United States Department of Agriculture ; no. 1730). Supersedes Farmers' bulletin no. 1519: Rabbit skins for fur; and the following leaflets: no. 4, Raising domestic rabbits; no. 15: Rabbit-house construction; and no. 22: Chinchilla rabbits for food and fur.

Language: English

Descriptors: Rabbits

160 NAL Call. No.: SF453.R32 1987

Rabbit production systems including welfare a seminar in the Community programme for the coordination of agricultural research, 6-7 November 1986.

Auxila, Teresa

Commission of the European Communities, Coordination of Agricultural Research

Luxembourg : Commission of the European Communities,; 1987.

285 p. : ill. ; 23 cm. (Agriculture (Commission of the European Communities) EUR (Series) ; 10983 EN.). Includes bibliographies.

Language: English

Descriptors: Rabbits

161 NAL Call. No.: S533.F66N2

Rabbit raising.

Holder, David; Gleaves, Earl W.

1972; 1972.

8 p. : ill. Document available from: 4-H Youth & Development, 114

Agricultural Hall, University of Nebraska-Lincoln, Lincoln, Nebraska 68583.

Publication intended for: Member, Elementary, Junior and Senior High Levels.

Learning experience: Knowledge, skill, practices. Decision making. Careers, earning and saving.

Language: ENGLISH

Descriptors: Sanitation; Marketing; City ordinances; Rabbit breeds; Rabbits

Abstract: Rabbit raising is discussed in this manual from the aspects of breeding, feeding, and weaning. Instructions are also included for the construction of a hutch and for a nest box for does.

162 NAL Call. No.: SB993.5.M36

Rabbit ranging behaviour and its implications for the management of rabbit populations.

Cowan, D.P.; Hardy, A.R.; Vaughan, J.P.; Christie, W.G.

London : Chapman and Hale; 1989.

Mammals as pests / edited by R.J. Putnam on behalf of the Mammal Society. p.

178-185. ill; 1989. Includes references.

Language: English

Descriptors: Rabbits; Animal behavior; Habits; Population dynamics; Crop damage; Pest control

163 NAL Call. No.: QL55.A1L33

Rabbit restrainer.

Kolb, E.R.; Banknieder, A.R.

New York : Media Horizons; 1986 Mar.

Lab animal v. 15 (2): p. 47. ill; 1986 Mar.

Language: English

Descriptors: Rabbits; Techniques; Laboratories; Restraint of animals; Stress; Handling

164 NAL Call. No.: QL750.A6

Rabbit transport and its effects on meat quality.

Jolley, P.D.

Amsterdam : Elsevier Science Publishers, B.V.; 1990 Nov.

Applied animal behaviour science v. 28 (1/2): p. 119-134; 1990 Nov. In the

special issue: Transport and pre-slaughter handling / edited by Graham Perry.

Includes references.

Language: English

Descriptors: Rabbits; Transport of animals; Transit time; Rabbit meat; Meat quality; Stress; Liveweight; Food deprivation; Glycogen; Ph; Liver; Dark cutting meat; Blood sugar

165 NAL Call. No.: SF453.S26 1988

Rabbits.

Sandford, John

Crowood,; 1988.

128 p. : ill. ; 22 cm.

Language: English

Descriptors: Rabbits

166 NAL Call. No.: SF61.M35 1988

Rabbits., 3rd ed.

King, J.O.L.

London : Bailliere Tindall; 1988.

Management and welfare of farm animals. p. 175-188. ill; 1988. Includes references.

Language: English

Descriptors: United Kingdom; Rabbits; Animal husbandry; Cages; Meat production; Wool production; Pelts; Animal health

167 NAL Call. No.: SF91.A5 1979

Rabbits., Rev. ed.

Washington, D.C. : Animal Welfare Institute; 1979.

Comfortable quarters for laboratory animals. p. 74-79. ill; 1979.

Language: English

Descriptors: Rabbits; Facilities; Animal housing; Cages

168 NAL Call. No.: SF406.A5

Rabbits: a practical guide for the veterinary technician.

Smelser, J.F.

Lawrenceville, N.J. : Veterinary Learning Systems Co; 1985 Mar.

Veterinary technician v. 6 (3): p. 121-129; 1985 Mar. Includes references.

Language: English

Descriptors: Rabbits; Animal husbandry; Rabbit diseases; Guides; Technicians

169 NAL Call. No.: Slide no.381

Rabbits care and management in a laboratory setting.. Rabbits, care and management in a laboratory setting

Harwell, James F.; Pucak, George
University of Washington, Health Sciences Center for Educational Resources
Seattle, WA : Produced and distributed by University of Washington, Health
Sciences Center for Educational Resources,; 1990.
47 slides : col. + 1 sound cassette (20 min.) + 1 guide. (Laboratory animal
medicine and science. Series 2 ; V-9002). Publication date on guide: 1991.
Sound accompaniment compatible for manual and automatic operation.

Language: English

Descriptors: Rabbits as laboratory animals; Laboratory animals; Animal welfare

Abstract: Covers importance of the environment, writing procedures for care
and management to comply with the Animal Welfare Act and the Guide for the
Care and Use of Laboratory Animals.

170 NAL Call. No.: Slide no.379

Rabbits introduction to use in research.. Rabbits, introduction to use in
research

Van Hoosier, G. L.; DiGiacomo, R. F.

University of Washington, Health Sciences Center for Educational Resources
Seattle, WA : produced and distributed by University of Washington, Health
Sciences Center for Educational Resources,; 1990.

46 slides : col. + 1 sound cassette (19 min.) + 1 guide. (Laboratory animal
medicine and science. Series 2 ; V-9001). Publication date on guide: 1991.
Sound accompaniment compatible for automatic and manual operation.

Language: English

Descriptors: Rabbits as laboratory animals; Animal welfare

Abstract: Presents laws and guidelines, historical use in research and
testing, development of alternatives, attributes as research animals,
recognition of pain and disease, and signs and significance of common
diseases.

171 NAL Call. No.: S533.F66I3

Rabbits, rabbits, rabbits ..., Rev..

Long, Norman D.

Indiana State 4-H Rabbit Committee.

1975; 1975.

39 p. : ill. Document available from: 4-H Department, Purdue University,
Agricultural Administration Building, West Lafayette, Indiana, 47907.
Publication intended for member, elementary, junior and senior levels.
Learning experience: Knowledge, skills, practices.

Language: ENGLISH

Descriptors: Breeds; Diseases; Hutches; Reproduction; Rabbits

Abstract: This manual provides information on choosing a breed, housing,
feeding, managing and showing rabbits, Sections on dressing and suggested

exhibits and glossary are included.

172 NAL Call. No.: 41.8 J8292

Radiological examination of the rabbit. 1. The head, thorax and vertebral column.

Gibbs, C.; Hinton, M.H.

Oxford, Blackwell Scientific Publications; Nov 1981.

The Journal of small animal practice v. 22 (11): p. 687-703. ill; Nov 1981.
18 ref.

Language: English

173 NAL Call. No.: 1 AG84F

Raising livestock on small farms (Poultry, cattle, sheep, goats, rabbits, swine).

Washington, D.C. : The Department; Oct 1983.

Farmers' bulletin - United States Department of Agriculture v.): 20 p. ill;
Oct 1983.

Language: English

174 NAL Call. No.: S67.P82

Raising rabbits.

Baton Rouge, La.? : The Service; 1986 Jul.

Publication - Louisiana Cooperative Extension Service (1608): 27 p.; 1986 Jul.

Language: English

Descriptors: Rabbits; Rabbit feeding; Rabbit housing; Animal production;
Slaughter; Animal breeding

175 NAL Call. No.: SF453.K25

Raising rabbits.

Kanable, Ann

Emmaus, Pa. Rodale Press; 1977.

xvi, 191 p. : ill. ; 23 cm.

Language: ENGLISH

Descriptors: Rabbits

176 NAL Call. No.: Fiche S-70 no.2131 1964

Raising rabbits [prepared by Animal Husbandry Research Division, Agricultural Research Service]., Rev.

Washington, D.C. : U.S. Dept. of Agriculture,; 1964, reprinted 1980.

24 p. : ill.. (Farmers' bulletin / United States Department of Agriculture ;
no. 2131).

Language: English

177 NAL Call. No.: 275.29 W27P

Raising rabbits--helpful suggestions for beginners.

Pullman, Wash. : The Service; 1991 May.

Extension bulletin - Washington State University, Cooperative Extension Service v.): 10 p.; 1991 May.

Language: English

Descriptors: Rabbits; Rabbit housing; Rabbit feeding; Reproduction; Rabbit meat; Pelts; Tanning

178 NAL Call. No.: SF407.R6U5

Recommended guideline for teratogenicity studies in the rat, mouse, hamster, or rabbit.. Teratogenicity studies in the rat, mouse, hamster, or rabbit

United States. Interagency Regulatory Liaison Group. Testing Standards & Guidelines Work Group

Washington, D.C.? : The Group? ; 1981.

iii, 9 p. ; 21 cm. Cover title. January 1981. Includes bibliographical references (p. 6-7).

Language: English

Descriptors: Fetus; Abnormalities; Rodents; Fetuses; Laboratory animals; Fetuses; Rodents as laboratory animals; Laboratory animals; Law and legislation; Animal welfare

179 NAL Call. No.: RA1190.F8

Reducing the number of rabbits in the low-volume eye test.

Bruner, L.H.; Parker, R.D.; Bruce, R.D.

Orlando, Fla. : Academic Press; 1992 Oct.

Fundamental and applied toxicology : official journal of the Society of Toxicology v. 19 (3): p. 330-335; 1992 Oct. Includes references.

Language: English

Descriptors: Rabbits; Animal experiments; Animal testing alternatives; Eyes; Chemicals

Abstract: Although the Draize eye irritation test has provided important and useful information for eye safety assessments, considerable effort has been directed toward refining the assay procedure, reducing the number of animals used, and replacing this assay with alternative methods. The low-volume eye test (LVET) is a refinement of the Draize eye irritation test that uses 1/10 the volume of test substance placed directly on the cornea. The level and duration of eye irritation in the LVET are less than those in the Draize procedure, which means that it is a less stressful test. Furthermore, LVETs are more predictive of human response. Statistical studies have been conducted to determine the effects of reducing the number of animals used in the Draize test. These results suggested that a three-animal test would provide essentially the same information as the six-animal test. A similar analysis

has not been performed on results from the LVET. Accordingly, the present study was undertaken to evaluate previously existing LVET data to determine if the number of animals used in a LVET can be decreased as has been shown for the Draize test. The results of the analysis are consistent with the findings of earlier evaluations of classical Draize data. Three-animal subsets from 119 six-animal LVETs provided the correct classification greater than 92% of the time for three different classification schemes. Furthermore, the discrepancies between the three-animal subsets and the six-animal maximum average score tended to be smaller than those observed for the Draize test. The analysis suggests that a three-animal LVET will provide an eye irritation classification similar to that obtained from a six-animal study.

180 NAL Call. No.: 410 J828

Regulation of the size of the breeding population of the European rabbit, *Oryctolagus cuniculus*, by social behaviour.

Henderson, B.A.

Oxford, Blackwell Scientific Publications; Aug 1979.

The Journal of applied ecology v. 16 (2): p. 383-392. ill; Aug 1979. 8 ref.

Language: ENGLISH

181 NAL Call. No.: 389.8 B773

Relation of antigenic structure of cereal proteins to their toxicity in coeliac patients.

Ciclitira, P.J.; Ellis, H.J.; Evans, D.J.; Lennox, E.S.

Cambridge : Cambridge University Press; 1985 Jan.

The British journal of nutrition v. 53 (1): p. 39-45. ill., charts; 1985 Jan.

Includes 12 references.

Language: English

Descriptors: Gliadin; Toxicity; Antigens; Cereals; Proteins; Inhibitors; Analytical methods

Abstract: Extract: Unfractionated gliadin and its alpha, beta, gamma and omega-gliadin subfractions were used as rabbit immunogens. The antisera were characterized by (1) Ouchterlony double diffusion, (2) binding of 125I-labelled gliadin subfractions, (3) inhibition by several gliadin subfractions of binding between gamma-gliadin antiserum and 125I-labelled gamma-gliadin. Double diffusion showed identical cross-reactivity between the antisera and the gliadin subfractions with the exception of omega-gliadin. Precipitin lines of partial identity with gliadin were observed against rye secalins and barley hordeins but not oat avenins or maize zeins. Binding was observed between unfractionated 125I-labelled alpha-, beta-, gamma-, and omega-gladians and all the antisera. There was binding of 125I-labelled omega-gliadin to the omega-gliadin antiserum but poor binding of 125I-labelled omega-gliadin to unfractionated alpha, beta, and gamma-gliadin antisera. Competitive inhibition of binding between 125I-labelled gamma-gliadin and gamma-gliadin antiserum diluted 1:250 (v/v) demonstrated similar competition between alpha, beta, and gamma-gliadins and this antiserum but poor competition between omega-gliadin, wheat glutenins, albumins and globulins, rye secalins, barley hordeins and oat avenins. These findings suggest that

there is a good correlation between the antigenic structure of gliadin proteins and their toxicity to patients with coeliac disease. (Author)

182 NAL Call. No.: QL876.B5

Relationship between nuclear remodeling and development in nuclear transplant rabbit embryos.

Collas, P.; Robl, J.M.

Champaign, Ill. : Society for the Study of Reproduction; 1991 Sep.

Biology of reproduction v. 45 (3): p. 455-465; 1991 Sep. Includes references.

Language: English

Descriptors: Rabbits; Ova transfer; Blastocyst; Embryonic development

Abstract: The present study characterized the profile of nuclear remodeling in nuclear transplant rabbit embryos and investigated the relationship between chromatin behavior after transfer and embryo development. The developmental potential and pattern of remodeling of donor nuclei from cleavage-, morula-, and blastocyst- (inner cell mass, ICM, and trophectoderm, TE) stage donors were evaluated. In addition, we determined whether a modification in the synchrony between blastomere fusion and oocyte activation altered the profile of nuclear remodeling and affected development of reconstituted embryos. Development to blastocysts similar with 8- and 32-cell-stage donor nuclei (42% and 33%, respectively, $p > 0.1$). However, it was reduced with ICM transplants (17%, $p < 0.05$), and development of TE transplants did not progress beyond the 8-cell stage. Upon blastomere fusion into nonactivated oocyte cytoplasm, nuclear remodeling was characterized by premature chromosome condensation (PCC), followed by pronuclear (PN) formation and swelling. PCC occurred synchronously within 1.2-1.5 h post-fusion with all stages of donor nuclei ($p > 0.1$). PN formation in 8- and 32-cell transplants occurred approximately 4 h after fusion, and was synchronous to that of female pronuclei in activated oocytes; however, it was delayed in ICM and TE transplants ($p < 0.01$). With all stages of donor nuclei, final nuclear diameter was similar to, or larger than, that of female pronuclei. Fusion to activated oocyte cytoplasm, as opposed to nonactivated cytoplasm, prevented PCC and extensive nuclear swelling (16.0 +/- 0.7 vs. 30 +/- 0.7 micromole, respectively, $p < 0.01$). Nuclear diameter in early embryos was smaller ($p < 0.01$), and development to blastocysts was reduced ($p < 0.05$). The results indicate that remodeling of the donor nucleus is not essential for development to blastocysts; however, it is beneficial. Furthermore, complete reprogramming seems possible only after remodeling of the donor nucleus, i.

183 NAL Call. No.: RA565.A1E54

Relationship of dietary iodide and drinking water disinfectants to thyroid function in experimental animals.

Revis, N.W.; McCauley, P.; Holdsworth, G.

Research Triangle Park, N.C. : National Institute of Environmental Health Sciences; 1986 Nov.

E H P Environmental health perspectives v. 69: p. 243-248; 1986 Nov. Includes references.

Language: English

Descriptors: Pigeons; Rabbits; Diet; Iodides; Drinking water; Disinfectants; Thyroid gland

184 NAL Call. No.: 442.8 AN75

Relationship of estrous behaviour with follicular growth and sex steroid concentration in the follicular fluid in the domestic rabbit.

Lefevre, B.; Caillol, M.

Jouy-en-Josas, Institut national de la recherche agronomique; 1978.

Annales de biologie animale, biochimie, biophysique v. 18 (6): p. 1435-1441. ill; 1978. 12 ref.

Language: ENGLISH; FRENCH

185 NAL Call. No.: 410.9 P94

Response of adult New Zealand white rabbits to enrichment objects and paired housing.

Huls, W.L.; Brooks, D.L.; Bean-Knudsen, D.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1991 Dec.

Laboratory animal science v. 41 (6): p. 609-612; 1991 Dec. Includes references.

Language: English

Descriptors: Rabbits; Animal welfare; Cages; Enrichment; Social behavior

Abstract: Enhancing the psychological well-being of laboratory animals has received much attention recently. Although many studies have been undertaken to determine the effects of cage enrichment techniques on dogs and nonhuman primates, other than scant empirical observations, little has been done to measure these events objectively in lagomorphs. We studied adult female New Zealand White (NZW) rabbits to learn if, when given the opportunity, individual rabbits would use different enrichment objects placed in their cages, and to determine if rabbits preferred to be in proximity to one another, or apart. Three different objects were evaluated with eight rabbits individually housed in conventional cages. Each object introduced into individual rabbit cages stimulated substantial interaction, especially chewing behavior. Eight other rabbits were pair-housed in a modified caging system with a special access port between two separate cages. When given a choice, rabbits preferred to be in the same cage with other rabbits. In both studies, individual behaviors were monitored, as well as either the type of interaction and percentage of observations spent with each object or, in the housing study, percentage of observations involved with different types of activity, and relative location of the paired rabbits.

186 NAL Call. No.: 410.9 P94

The restraint of rabbits in a special sling.

Kumar, A.; Wong, D.A.

Joliet, Ill., American Association for Laboratory Animal Science; Aug 1979.

Laboratory animal science v. 29 (4): p. 512-515. ill; Aug 1979. 7 ref.

Medical Research Council of Canada.

Language: ENGLISH

187 NAL Call. No.: RA1211.C85

The scope and limitations of acute eye irritation tests.

Ballantyne, B.; Swanston, D.W.

Bristol, [England] : Wright; 1977.

Current approaches in toxicology / edited by Bryan Ballantyne. p. 139-157.

ill; 1977. Includes references.

Language: English

Descriptors: Rabbits; Animal research; Toxic substances; Eyes (animal);

Cornea; Toxicity; Animal testing alternatives; Animal welfare

188 NAL Call. No.: QL55.A1L3

Seasonal variation of temperatures in rabbits.

Pericin, C.; Grieve, A.P.

Essex : Laboratory Animal Science Association; 1984 Jul.

Laboratory animals v. 18 (3): p. 230-236. ill; 1984 Jul. Includes references.

Language: English

Descriptors: Rabbits; Body temperature; Rectum; Cages; Seasonal variation;

Environmental temperature; Restraint of animals

189 NAL Call. No.: SF1.G26 no.16

Small animals for small farms backyard rabbit rearing : some basic husbandry practices.. Backyard rabbit rearing

Food and Agriculture Organization of the United Nations, Regional Office for Latin America and the Carriibbean

Santiago, Chile : FAO Regional Office for Latin America and the Caribbean,; 1986.

36, [2] p. : ill. ; 28 cm. (GAN ; 16). November 1986. RLAC/86/48-GAN-16.

Includes bibliographical references (p. [37]).

Language: English

190 NAL Call. No.: SF191.W6

Small-scale rabbit production: feeding and management systems.

Lebas, F.; WARVA

Rome : FAO; 1983.

World animal review (46): p. 11-17. ill; 1983. Includes references.

Language: English

191 NAL Call. No.: QL750.A6

Social behavior in young domestic rabbits under semi-natural conditions.

Lehmann, M.

Amsterdam : Elsevier Science Publishers, B.V.; 1991 Nov.

Applied animal behaviour science v. 32 (2/3): p. 269-292; 1991 Nov. Includes references.

Language: English

Descriptors: Rabbits; Social behavior; Social development; Age differences; Aggressive behavior; Sexual behavior; Behavior patterns; Social dominance; Sex differences

192 NAL Call. No.: QL750.A6

The social behavior of free-ranging domestic rabbits (*Oryctolagus cuniculus* L.).

Vastrade, F.M.

Amsterdam : Elsevier Science Publishers B.V.; 1986 Sep.

Applied animal behaviour science v. 16 (2): p. 165-177. ill; 1986 Sep.

Includes references.

Language: English

Descriptors: Rabbits; Animal behavior; Social behavior; Territory

193 NAL Call. No.: 500 P383

Social behavior of the eastern cottontail, *Sylvilagus floridanus* (Lagomorpha: Leporidae) in a woodland habitat, with descriptions of new behaviors.

Bruch, D.; PPASA; Chapman, J.A.

Harrisburg : The Academy; 1983.

Proceedings of the Pennsylvania Academy of Science v. 57 (1): p. 74-78. ill;

1983. Includes references.

Language: English

194 NAL Call. No.: 410 B77

Social influences on vigilance in rabbits.

Roberts, S.C.

London : Bailliere Tindall; 1988 Jun.

Animal behaviour v. 36 (3): p. 905-913; 1988 Jun. Includes references.

Language: English

Descriptors: Rabbits; Social behavior; Social structure; Feeding behavior; Multiple regression

Abstract: The potential advantage of corporate vigilance to rabbit, *Oryctolagus cuniculus*, groups was studied in free-ranging rabbits that associated and cohabited basically in male-female 'consorting' pairs. Evening observations were conducted of rabbits during the breeding season. Levels of vigilance of an individual rabbit during feeding decreased with proximity to that rabbit's 'consort'. In contrast, rabbits increased their vigilance in the presence of greater numbers of non-consort rabbits either nearby or over 12 m away. An experiment using stuffed animals as stimulus objects indicated that

the presence of a strange rabbit or of a fox increased the proportion of time that rabbits spent vigilant. Non-social factors also influenced vigilance and feeding. In particular, vigilance decreased as the evening proceeded and with higher temperature. For bucks only, it also decreased as the season advanced.

195 NAL Call. No.: QL55.I5

Some recent studies on reproduction in the rabbit (Sexual behavior).

Adams, C.E.

England : Institute of Animal Technicians; Nov 1983.

Animal technology v. 34 (2): p. 137-139; Nov 1983. Includes references.

Language: English

196 NAL Call. No.: 410 B77

Spontaneous and odour-induced chin marking in domestic female rabbits.

Hudson, R.; Vodermyer, T.

London : Academic Press; 1992 Feb.

Animal behaviour v. 43 (pt.2): p. 329-336; 1992 Feb. Includes references.

Language: English

Descriptors: Rabbits; Odors; Marking; Communication between animals; Ovariectomized females; Light regime; Estrus; Sexual behavior

Abstract: In the European rabbit, *Oryctolagus cuniculus*, chin marking is one of the most conspicuous forms of olfactory communication. In an investigation of factors influencing the expression of this behaviour in females, the marking frequency of seven intact and three ovariectomized does was tested over a 12-month period by placing them individually for 10 min each day in an arena containing three bricks. In the intact does but not in the ovariectomized ones, the frequency of chinning was increased by experimental long days and suppressed by experimental short days within 1-2 weeks of reversing the light regime. These changes were accompanied by clear alterations in the size and colour of the vulva, indicating that oestrus was also suppressed under the short-day conditions. However, presenting does with bricks marked by donor animals resulted in a significant increase in the frequency of chinning independent of photoperiod. Moreover, does appeared to distinguish between donors, directing marks preferentially to bricks marked by males rather than females, bricks marked by long-day rather than short-day donors, and those marked with chin gland secretion rather than with donors' urine or with carrot or lemon juice. Thus, while the finding that chinning activity was positively correlated with oestrus is consistent with the hypothesis that in females this behaviour is a form of sexual advertisement, the differential response shown to the chin marks of individual donors, even by non-oestrous does, suggests other, non-sexual functions for the chemosignals in chin gland secretion.

197 NAL Call. No.: QL756.5.F44

Strategies for studying ingestive behavior in large domestic and feral animals.

Haupt, K.A.; Haupt, T.R.

Amsterdam : Elsevier; 1987.

Feeding and drinking / editors, F.M. Toates and N.E. Rowland. p. 367-392. ill; 1987. (Techniques in the behavioral and neural sciences, 0921-0709). Includes references.

Language: English

Descriptors: Dogs; Horses; Pigs; Rabbits; Feeding behavior; Ingestion; Animal nutrition

198 NAL Call. No.: 49 F84

Le transit digestif chez le lapin. IX. Variations peri-partum du comportement alimentaire et de l'excretion fecale chez la lapine multipare [The digestive transit in the rabbit. IX. Peri-partum variations of feeding behaviour and faecal excretion in the multiparous doe-rabbit].

Oger, M.A.; Lebas, F.

Paris, Institut national de la recherche agronomique; 1978.

Annales de zootechnie v. 27 (4): p. 519-532. ill; 1978. 14 ref.

Language: FRENCH; ENGLISH

199 NAL Call. No.: 49 F84

Le transit digestif chez les monogastriques. III. Comportement (prise de nourriture-caecotrophie), motricite et transit digestifs, et pathogenie des diarrhees chez le lapin [Gastrointestinal transit in monogastric animals. III. Feeding behavior (feed intake-caecotrophy), gastrointestinal motility and transit, and pathogeny of diarrhoea in the rabbit].

Laplace, J.P.

Paris, Institut national de la recherche agronomique; 1978.

Annales de zootechnie v. 27 (2): p. 225-265. ill; 1978. Bibliography p. 261-265.

Language: FRENCH; ENGLISH

200 NAL Call. No.: 410.9 P94

Treponema paraluis-cuniculi infection in a commercial rabbitry: epidemiology and serodiagnosis (Spirochetosis).

DiGiacomo, R.F.; LBASA; Talburt, C.D.; Lukehart, S.A.; Baker-Zander, S.A.; Condon, J.

Joliet : American Association for Laboratory Animal Science; Dec 1983.

Laboratory animal science v. 33 (6): p. 562-566; Dec 1983. Includes references.

Language: English

201 NAL Call. No.: 410.9 P94

A typical moist dermatitis in rabbits.

Garibaldi, B.A.; Fox, J.G.; Musto, D.R.T.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1990 Nov.

Laboratory animal science v. 40 (6): p. 652-653; 1990 Nov. Includes

references.

Language: English

Descriptors: Rabbits; Dermatitis; Cages; Moisture; Pseudomonas aeruginosa; Staphylococcus aureus; Case reports

202 NAL Call. No.: 41.2 H198 (1978 No.28)

Über den Einfluss von Futterungsfaktoren auf das Fruchtbarkeitsgeschehen, den Ascorbinsäuregehalt und den histologischen Aufbau der Ovarien von weiblichen Kaninchen [Effect of feeding factors on fertility frequency ascorbic acid content and histological structure of ovaries of female rabbits].

Alter, Gabriele

Hannover (s.n.); 1978.

42 p.. (Hanover (City). Tierärztliche Hochschule. (Inaugural-Dissertation ; 1978, no. 28)). Bibliography: p. 37-42.

Language: GERMAN; ENGLISH

203 NAL Call. No.: 49 Z8

Untersuchung zum Einfluss der Warmebelastung durch das Wollvlies auf Spermaqualitätsparameter, Geschlechtsverhalten und Hodenvolumen beim Angorakaninchen [Studies on the effect of heat stress from fleece on the sperm quality parameters, sexual behavior and testicle volume in Angora rabbits.].

Brockhausen, P.; Paufler, S.; Schlolaut, W.

Stuttgart, Eugen Ulmer; May/June 1979.

Zuchtungskunde v. 51 (3): p. 234-248. ill; May/June 1979. Bibliography p. 245-246.

Language: GERMAN; ENGLISH; FRENCH; RUSSIAN

204 NAL Call. No.: QL55.A1L3

The use lignocaine-prilocaine local anaesthetic cream for pain-free venepuncture in laboratory animals.

Flecknell, P.A.; Liles, J.H.; Williamson, H.A.

London : Royal Society of Medicine Services; 1990 Apr.

Laboratory animals v. 24 (2): p. 142-146; 1990 Apr. Includes references.

Language: English

Descriptors: Laboratory animals; Local anesthetics; Local anesthesia; Lidocaine; Intravenous injection; Ointments

Abstract: An assessment was made of the effects of topical application of a eutectic mixture of local anaesthetics (EMLA cream) in a number of species of laboratory animals. Application of EMLA cream enabled percutaneous insertion of catheters into the cephalic vein in dogs and cats and the marginal ear vein in rabbits without causing any detectable pain or discomfort. Application to the tail in rats prior to percutaneous cannulation of the lateral tail vein did not produce a significant reduction in the behavioural responses to

venepuncture. EMLA cream represents a useful refinement of current techniques for intravenous injection in some species, and is especially valuable when the procedure is to be undertaken by an inexperienced operator.

205 NAL Call. No.: 49 AN55

The use of a heated nestbox system to counter perinatal mortality in the commercial rabbit.

Partridge, G.G.; ANIPA; Bruce, J.M.; Allan, S.J.; Sharman, G.A.M.

Harlow : Longman; Aug 1983.

Animal production v. 37 (pt. 1): p. 125-132; Aug 1983. Includes references.

Language: English

206 NAL Call. No.: 410.9 P94

Use of captive bolt as a method of euthanasia in larger laboratory animal species.

Dennis, M.B. Jr; Dong, W.K.; Weisbrod, K.A.; Elchlepp, C.A.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1988 Aug.

Laboratory animal science v. 38 (4): p. 459-462. ill; 1988 Aug. Includes references.

Language: English

Descriptors: Rabbits; Dogs; Euthanasia; Equipment; Methodology; Animal welfare

Abstract: The penetrative captive bolt pistol was tested on dogs (*Canis familiaris*) and rabbits (*Oryctolagus cuniculi*) to assess if it is a humane method of euthanasia to use when a physical method is required. The bolt was placed directly on the skull at the intersection of lines drawn from the lateral canthus of each eye to the opposite ear, and fired. In all cases, consciousness appeared to be lost immediately as evidenced by motoric collapse of the animal and loss of the corneal reflex. The only movement noted appeared to be reflex in nature. In order to determine the time of onset of brain death, the auditory evoked potential (AEP) and electroencephalogram (EEG) were measured in dogs. Within 15 seconds after firing the pistol, organized AEP activity could not be detected above the medulla and EEG activity became isoelectric. These findings suggest that cerebral death occurred almost immediately and, therefore, the captive bolt pistol is a humane method of euthanasia.

207 NAL Call. No.: 410.9 P94

Vascular access ports for chronic serial infusion and blood sampling in New Zealand white rabbits.

Perry-Clark, L.M.; Meunier, L.D.

Cordova, Tenn. : American Association for Laboratory Animal Science; 1991 Oct.

Laboratory animal science v. 41 (5): p. 495-497; 1991 Oct. Includes references.

Language: English

Descriptors: Rabbits; Cannulation; Catheters; Jugular vein; Blood sampling;

Infusion

Abstract: Although rabbit ear vessels are readily accessible, the veins can collapse and thrombose after multiple venipunctures, and the artery may undergo vasospasm when repeatedly catheterized. Twenty-two male and female New Zealand White rabbits were cannulated with the catheter tip located in the jugular vein. The mean life of the port was noted to be approximately 3.5 months, with ranges of 3 days to 10 months. With proper maintenance and care, vascular access ports are a useful alternative to multiple venipuncture for long-term studies, thereby sparing marginal and central vessels and minimizing stress to both animals and investigators.

208 NAL Call. No.: FICHE S-72

Ventilating environmental controlled rabbitries.

Perry, R.J.

St. Joseph, Mich. : The Society; 1981.

Paper - American Society of Agricultural Engineers (Microfiche collection)

(fiche no. 81-4549): 1 microfiche : ill; 1981. Paper presented at the 1981

Winter Meeting of the American Society of Agricultural Engineers. Available

for purchase from: The American Society of Agricultural Engineers, Order

Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept.

at (616) 429-0300 for information and prices. Includes references.

Language: English

209 NAL Call. No.: 442.8 Z35

Vergleichende Verhaltensstudien an Wild- und Hauskaninchen. II. Quantitative Beobachtungen zum Sozialverhalten [Comparative ethology of domestic and wild rabbits. II. Quantitative observations on social behaviour].

Kraft, R.

Hamburg, Paul Parey; 1978/1979.

Zeitschrift fur Tierzuchtung und Zuchtungsbiologie. Journal of animal breeding and genetics v. 95 (3/4): p. 165-179. ill; 1978/1979. 13 ref.

Language: GERMAN; ENGLISH; SPANISH

210 NAL Call. No.: QL55.A1L3

Versatile collapsible rabbit cage (for holding and breeding rabbits and cats).

McEwin, R.L.; Smith, T.; Barrell, R.W.

London, Eng., Laboratory Animal Science Association; Apr 1982.

Laboratory animals v. 16 (2): p. 172-174. ill; Apr 1982. 1 ref.

Language: English; German

211 NAL Call. No.: 99.9 IN824

Wood anatomy and the use of carbonised wood as a matrix for bone regeneration in animals (Mice and rabbits, surgical implant, Clematis vitalba).

Colville, J.; Baas, P.; Hoikka, V.; Vainio, K.

Leiden, The Association; 1979.

IAWA bulletin - International Association of Wood Anatomists. New

Series. International Association of Wood Anatomists (1): p. 3-6. ill; 1979.
10 ref.

Language: ENGLISH

212 NAL Call. No.: 41.8 SO82

Xeroradiographic anatomy of the domesticated rabbit, *Oryctolagus cuniculus*.

II. Abdomen, pelvis, and pelvic limb.

Shively, M.J.

College Station, Student Chapter of the American Veterinary Medical
Association, College of Veterinary Medicine, Texas A & M University; Jan 1980.

Southwestern veterinarian v. 33 (1): p. 57-68. ill; Jan 1980.

Language: ENGLISH

213 NAL Call. No.: QL55.A1L33

Xeroradiographic anatomy of the rabbit. 2. Abdomen, pelvis and pelvic limb.

Shively, M.J.

New York, United Business Publications; Jan/Feb 1982.

Lab animal v. 11 (1): p. 24-26, 28, 30-31. ill; Jan/Feb 1982.

Language: English

Author Index

Adams, C.E. 103, 194

Afifi, E.A. 96

Akagi, H. 33

Alberius, P. 105

Allan, S.J. 205

Alter, Gabriele 202

Althoff, D.P. 22

American Society of Animal Science 65

Anderson, R.J. 91

ANIPA 205

Anthony, K.L. 34

Aramayona, J.J. 113

Ashbrook, Frank Getz, 158

Asole, A. 126

Assal, A.N. 135

Auxila, Teresa 159

Baas, P. 211

Baker-Zander, S.A. 200

Bal, H.S. 32

Ballantyne, B. 186

Banknieder, A.R. 162

Barrell, R.W. 210

Barzago, M.M. 113

Batchelor, G.R. 76

Bean-Knudsen, D. 184
Beattie, A.W. 13, 57
BEHAA 119
Bell, D.J. 58
Berry, S.L. 153
Besch, E.L. 3
Besenfelder, U. 95
Beyer, C. 116
Beyers, T.M. 11
Bhimji, S. 117
Blackshaw, J.K. 13, 57
Blake, B.W. 67
Bonati, M. 113
Borenfreund, E. 41
Borgstedt, H.H. 67
Bortolotti, A. 113
Bouma, J.E. 129
Bowman, D.D. 51
Bray, G.C. 58
Brem, G. 95
Brigmon, R.L. 3
British Columbia, Ministry of Agriculture and Food 157
Brockhausen, P. 203
Broekhuizen, S. 44
Brooks, D. 153
Brooks, D.L. 16, 66, 108, 184
Brooks, Dale L. 138, 140, 139
Bruce, J.M. 205
Bruce, R.D. 178
Bruch, D. 192
Bruner, L.H. 178
Buckingham, W. 69
Busch, L.C. 109
Busset, Glenn M. 79
CA 153
Caillol, M. 125, 183
Calhoun, J. 120
Campion, E. 54
Canali, E. 94, 156
Capen, C.C. 82
Carbnone, L.G. 51
Carenzi, C. 156
Caveny, D.D. 65
Chadwick, C. 128
Chambon, Y. 92
Chapman, J.A. 192
Cheeke, P.R. 121
Cheng, Chu Shan 63, 64
Chengappa, M.M. 130
Cherney, L. 87
Christie, W.G. 161
Ciclitira, P.J. 180
Coates, S. 153
Cohen, S.R. 23

Collas, P. 50, 181
Collins, B.R. 27, 39
Colville, J. 211
Commission of the European Communities, Coordination of Agricultural Research
159
Condon, J. 200
Cook, D.B. 129
Corbet, G.B. 123
Cowan, D.P. 90, 161
CPBTA 33
Crimella, C. 94
Curtis, S.K. 66
Danneman, P.J. 70
Dantuma, R. 74
Dauphin-Villemant, C. 125
De Castro, F.J. 132
Deeb, B.J. 91
DeLong, D. 129
Deltoro, J. 5
Denenberg, V.H. 107
Dennis, M.B. Jr 206
Diamond, M. 141
DiGiacomo, R. F. 168
DiGiacomo, R.F. 91, 130, 200
Dillehay, D.L. 130
Distel, H. 119, 131
Dong, W.K. 206
Dubose, D.A. 100
Elchlepp, C.A. 206
Ellis, H.J. 180
eng 23
Enos, H.L. 62, 65
Enslein, K. 67
Evans, D.J. 180
Eveleigh, J.R. 42
Ewer, T.K. 4
Farina, V. 126
Farrell, D.J. 59
Feinstein, R.E. 124
Fekete, S. 45
Ferrante, V. 156
Flecknell, P.A. 136, 204
Fogelson, M.L. 51
Food and Agriculture Organization of the United Nations, Regional Office for
Latin America and the Carribean 188
Fox, J.G. 201
Fox, Michael W., 145
Fox, R.R. 151
Gamon, D.J. 134
Garibaldi, B.A. 201
Garnier, V. 54
Gebremedhin, T.G. 49
Gerren, L. 132
Ghoshal, N.G. 32

Gibbs, C. 171
Gillett, N.A. 108
Gillgan, V. 25
Gleaves, Earl W. 160
Gnam, E.C. III 120
Godin, D.V. 117
Goodrich, B.S. 53
Goussopoulos, J. 36
Grieve, A.P. 187
Guillot, F.S. 71
Gunther, R. 129
Halloran, G. 83
Hammond, K. 77
Hanafi, M.S. 96
Hansen, R.W. 62
Hardy, A.R. 161
Harkness, J.E. 154
Harris, D.J. 111, 121
Harris, R. 100
Hart, J.B. 67
Harwell, James F. 167
Hatfield, J. D. 144
Haworth, R.D. 8
Hayashi, T. 33
Heath, M. 84
Henderson, B.A. 179
Hesterman, E.R. 53, 112
Hinton, M.H. 171
Hitzelberg, Richard 12, 102
Ho, Z.G. 85
Hobbs, B.A. 34
Hoffman, L.A. 8
Hoikka, V. 211
Holder, David 160
Holdsworth, G. 182
Holmes, H.T. 111
Horak, Jindrich 24
Houpt, K.A. 197
Houpt, T.R. 197
Hudson, R. 119, 131, 196
Huls, W. 16
Huls, W.L. 184
Humane Society of the United States 46
Hurlburt, Anna 79
Hurst, G.A. 148
Indiana State 4-H Rabbit Committee. 169
Institute of Laboratory Animal Resources (U.S.). Committee on Laboratory Animal Diseases 78
Isaksson, S. 105
Jahn, S.E. 7
Jankovics, Gyorgy 48
January, B. 133
JAVMA 108
Jawger, R.W. 132

Jeziarski, T. 80
Jin, L.M. 59
John, Sharon 138
Johnson, Harold David, 63, 64
Johnson, J.H. 10
Jolley, P.D. 163
JRPFA 125
JZOOA 123
Kanable, Ann 174
Kaplan, Harold Morris, 150
Kast, A. 43
Kellogg, Charles E. 158
Keresztessy, K. 2
Kersten, A.M.P. 6, 55
King, J.O.L. 165
King, S.L. 38
Kingsbury, Frank W. 142, 143
Klinge, B. 105
Koga, N. 110
Kojima, T. 52
Kolb, E.R. 162
Kraft, R. 209
Krueger, J.M. 56
Kruttsyak, V.N. 40
Kuhnel, W. 109
Kumar, A. 185
Laboratory Animal Training Association 89
Lang, C.M. 70
Laplace, J.P. 199
Latrenta, G. 8
LBASA 200
Leamon, C. 16
Lebas, F. 155, 189, 198
Lefevre, B. 183
Lehmann, M. 190
Lennox, E.S. 180
Lescoat, D. 92
Levchenko, P.I. 195
Liles, J.H. 204
Liu, B. 85
Loliger, Hans Christoph 9
Long, Norman D. 169
Lopez, A.M. 5
Love, J.A. 77
Lukason, M. 100
Lukefahr, S.D. 121
Lukehart, S.A. 200
Lund, Everett Eugene, 115
Lundgren, Edward 12, 102
Mader, J.I. 120
Maertens, L. 45
Malafant, K. 112
Manning, P.J. 129
Marchuk, F.D. 40

Mariano, R. 100
Marr, J.M. 120
Marshall, W.K. 70
Martinet, L. 125
Matsumoto, M. 111
Matthews, D.E. 153
Matthews, E.E. 153
Maurer, J.K. 82
McCauley, P. 182
McEwin, R.L. 210
McNeill, J.H. 117
McNitt, J.I. 104
Meijsser, F.M. 6, 55
Mekking, P. 80
Mettler, Michael 147
Metz, J.H.M. 6, 55
Metzger, Homer B. 20
Meunier, L.D. 207
Mochizuki, K. 31
Morali, G. 116
Morton, D. 82
MTM Associates 12
Muhl, Z.F. 19
Mulder, J.L. 44
Musto, D.R.T. 201
Mykytowycz, R. 53, 112
Nagano, T. 122
Nakajima, T. 33
Nakayama, T. 33
Nayar, K.N.M. 28, 29
Newton, J.H. 19
Nicosia, S.V. 10
Nieves, M.A. 87
Nikkila, T. 124
NJUZA 31
North Carolina Agricultural Extension Program 26
Oger, M.A. 198
Oguri, K. 110
Oguri, N. 52
Omarini, D. 113
Osterholzer, H.O. 10
Pajot-Augy, E. 54
Palmieri, G. 126
Panu, R. 126
Parker, J. 16
Parker, R.D. 178
Partridge, G.G. 146, 205
Pastea, E. 37
Patton, N.M. 111, 121
Pau, K.Y.F. 21
Pau, M.Y.C. 21
Paufler, S. 203
Paul, K.S. 130
Peace Corps (U.S.), Information Collection and Exchange 35

Pericin, C. 187
Perry, R.J. 208
Perry-Clark, L.M. 207
Phillips, Jere 12, 102
Pinto-Correia, C. 50
Pizzi, F. 94
Podberscek, A.L. 13, 57
Ponce de Leon, F.A. 50
Popesko, Peter 24
Porte, William G. 140
PPASA 192
Prince, M.D. 11
Pronyaev, V.I. 40
Prud'hon, M. 36
Pruliere, G. 54
Pucak, George 167
Quine, J.P. 69
Ragsdale, A. C. 64
Ragsdale, A. C._1890- 63
Rajtova, Viera 24
Reece-Engel, C. 73
Rees, W.A. 90
Renard, J.P. 54
Revis, N.W. 182
Reyne, Y. 36
Richardson, J.A. 11
Riggs, R.J. 149
Roberts, S.C. 193
Robl, J.M. 50, 181
Rolhall, T.G. 34
Rosenberg, P.H. 8
Ross, J. 90
Ross, S. 107
Rouvier, R. 75
Rubin, Carol 140
Salem, H. 67
Sambras, H.H. 1
Sandford, John 164
Sanna, L. 126
Sawin, P.B. 107
Scaife, M.C. 152
Schlolaut, W. 203
Schuchman, S.M. 93
Schwartzbaum, J.S. 60
Segalen, J. 92
Selvaraj, K.M. 106
SENTD 71
Seregi, J. 95
Shanmugasundaram, S. 106
Sharman, G.A.M. 205
Shively, M.J. 212, 213
Shrewsbury, Charles Leslie, 144
Shvets-Teneta-Gurii, T.B. 137
Sicwaten, Juan B. 35

Silver, G. 100
Silverman, J. 86
Sims, Barbara J. 35
Singh, A.P. 28, 29
Singh, G. 28, 29
Singh, G.R. 28, 29
Singh, Y. 28, 29
Smelser, J.F. 166
Smith, T. 210
Soares, M.J. 141
Solti, L. 95
Soma, T. 52
Speake, D. 38
Spies, H.G. 21
Sprenkel, T.L. 34
Stahl, Diane 35
Stark, D.M. 41
Stickrod, G. 128
Storm, G.L. 22
Stott, E. 84
Stribling, H.L. 38
Strunin, L. 69
Supeene, N. J. 157
Suzuki, F. 122
Swanson, J.C. 47
Swanston, D.W. 186
Szekely, M. 14, 17
Szelenyi, Z. 14
Talbur, C.D. 200
Tamate, H. 30
Taniguchi, K. 31
Targowski, S.P. 114
Thomson, E. 59
Thomson, J. 16
Tillman, P.C. 108
Timm, Karen 138
Timmons, Edward H. 150
Tittensor, A.M. 90
Todeschini, R. 156
Tolgyesi, G. 45
Toofanian, F. 114
Toson, M.A. 96
Toth, L.A. 56, 133
Toyama, Y. 122
Trentin, John Joseph, 127
Trout, R.C. 90
Tsuchiya, T. 30
Tsunenari, I. 43
Tulchin Studios, Maier Group Communications 145
Turner, C. W. 127
Tuzzeo, T.M. 67
Twomey, S. 16
United States. Interagency Regulatory Liaison Group. Testing Standards & Guidelines Work Group 177

Universities Federation for Animal Welfare 88
University of California, Davis, School of Veterinary Medicine 140
University of California, Davis, School of Veterinary Medicine, University of
California, Davis, Instructional Media 138, 139
University of Washington, Health Sciences Center for Educational Resources 167,
168
Upshall, D.G. 61
Vagin, Evgenii Aleksandrovich 101
Vainio, K. 211
Van Hoosier, G. L. 168
Vastrade, F.M. 191
Vaughan, J.A. 68
Vaughan, J.P. 161
Verga, M. 94, 156
VHTOD 132
Vincent, C. 54
Vivier, T. 134
Vodermayer, T. 196
Vogler, G. 132
Vriends, Matthew M., 118
Vriends-Parent, Lucia 118
Wada, S. 110
WARVA 189
Watanabe, T.X. 33
Weber, William J. 18
Wegler, Monika 48
Weijs, W.A. 15, 74
Weisbrod, K.A. 206
Weisbrode, S.E. 82
White, W.J. 70
Wiepkema, P.R. 6, 80
Williamson, H.A. 204
Winterhager, E. 109
Wong, D.A. 185
Wright, F.C. 71
Wyder, W.E. 82
Yamada, H. 110
Yoshimitsu, T. 110
Yoshimura, H. 110
Zarrow, M.X. 107

Subject Index

Abnormal behavior 11
Abnormalities 39, 82, 177
Acid base equilibrium 113
Actin 54
Adrenal glands 3
Adverse effects 66
Age differences 43, 94, 190
Age of host 71
Aggressive behavior 190

Air transport 133
Alabama 38
Allometry 5
Analgesics 70, 136
Analytical methods 180
Anatomy 127, 127
Anesthesia 34, 113
Anesthetics 27
Animal anatomy 5, 7, 10, 29, 126
Animal behavior 1, 6, 13, 17, 39, 55, 76, 77, 94, 141, 161, 191
Animal breeding 4, 134, 135, 149, 173
Animal diseases 151
Animal experimentation 12, 89, 102
Animal experiments 178
Animal feeding 4
Animal health 86, 99, 165
Animal housing 99, 149, 170
Animal husbandry 55, 68, 99, 103, 135, 151, 154, 165, 166
Animal immobilization 139
Animal models in research 12, 102
Animal nutrition 197
Animal production 49, 173
Animal research 61, 151, 186
Animal testing alternatives 41, 47, 152, 178, 186
Animal welfare 12, 41, 47, 69, 78, 84, 89, 90, 102, 118, 138, 140, 145, 152, 157, 167, 168, 177, 184, 186, 206
Animals, Treatment of 89, 140
Antibiotics 27, 120
Antigens 180
Aorta 29
Arteries 29
Artificial rearing 87
Ass 126
Atherosclerosis 80
Australia 135
Autoradiography 10
Bacterial toxins 129
Bee culture 72
Behavior patterns 149, 190
Behavior, Host 71
Beta-carotene 95
Bibliographies 47
Bioassays 67
Biochemistry 54
Biological development 43
Biology 68, 103
Blastocyst 181
Blood 113
Blood plasma 3
Blood sampling 207
Blood sugar 163
Body temperature 3, 34, 187
Body weight 94
Boxes 107, 146

Breaking strength 85
Breed differences 130
Breeding 157
Breeds 169
Buck 73
Cage rearing 58
Cages 13, 16, 42, 57, 99, 154, 165, 170, 184, 187, 201
Candida albicans 56
Cannulation 207
Capsaicin 17
Case reports 91, 201
Cat 69, 86, 97, 98, 126
Catheters 207
Cattle 63, 64, 126
Cell culture 41, 152
Cell structure 54, 129
Cells 124
Cellular biology 54
Cereals 180
Cerebral cortex 137
Characterization 21, 129
Chemical properties 129
Chemicals 67, 178
Cheyletiella parasitovorax (Arthropoda) 23
Chromatin 50
Chromosomes 50
City ordinances 160
Cold stress 100
Communication between animals 196
Complications 11
Congenital abnormalities 91
Connecticut 23
Control methods 90
Copulation 116
Cornea 186
Corticosterone 3
Corticotrophin 45
Crop damage 90, 161
Crop loss 90
Cryoprotectants 54
Dairy cows 4
Dark cutting meat 163
Dermatitis 201
Dermatitis, Arthropoda 23
Design 42
Diagnosis 56
Diet 182
Diet studies 59
Diethylstilbestrol 127
Digestibility 45
Digestion 45
Dilution 52
Dimethyl sulfoxide 52
Disease control 103

Disease prevention 149, 154
Disease resistance 130
Disease transmission, Animal to man 23
Diseases 78, 78, 78, 78, 78, 169
Disinfectants 182
Diversification 49
Dog 29
Dogs 69, 86, 97, 98, 126, 197, 206
Dosage 51
Drinking behavior 21
Drinking water 182
Drug combinations 34
Drug metabolism 110
Drug resistance 129
Drug therapy 100
Duration 133
Dwarf rabbits 48, 147
Ears 51
Economic analysis 49, 134
Economic aspects 26
Ectoparasites 39
Electron microscopy 7
Embryo transfer 50
Embryonic development 181
Embryos 50
Embryos (animal) 54
Emotions 6, 55
Endocrinology 107
Energy intake 1
Energy metabolism 59
Enrichment 16, 76, 184
Environment 76
Environmental temperature 187
Epithelium 10
Equipment 206
Escherichia coli 56
Estrus 141, 196
Europe 68
Euthanasia 69, 99, 206
Experience 1
Experimental diabetes 117
Eye 46
Eyes 178
Eyes (animal) 47, 67, 152, 186
Facilities 86, 170
Farms, Small 26
Fearfulness 57
Feasibility 49
Feces 38
Feces composition 45
Feed intake 59
Feeding 60
Feeding and feeds 101
Feeding behavior 1, 21, 60, 193, 197

Feet 100
Female animals 94, 116
Ferrets 39
Fetus 177
Fetuses 177, 177
Fevers 56
Field tests 6, 55
Fire ecology 38
Fire effects 38
Floor pens 76, 84
Floors 42, 146
Food deprivation 163
Food intake 21, 58
Forest ecology 38
France 75, 134
Freezing 52, 54
Fur-bearing animals 9
Game reserves 22
Gases 113
Genetics 107
Geographical distribution 134
Gerbils 78, 79, 145
Germ cells 82
Gliadin 180
Glycogen 163
Goat 29
Goats 4, 126
Golden hamster 39
Great Britain 25
Group behavior 13
Groups 76
Growth 156
Growth analysis 5
Growth rate 76
Growth stages 5
Guides 166
Guinea pigs 39, 42, 78, 79, 88, 110, 126, 145
Guinea pigs as laboratory animals 138
Habits 161
Hair 85
Hamster 79
Hamsters 78, 145
Handbooks, manuals, etc 35, 118
Handling 57, 80, 97, 98, 99, 138, 140, 149, 162
Head 8
Heart rate 34
Heat adaptation 96
Heat stress 96
Heritability 96
Histology 82
Hormone secretion 107
Hormones, Sex 127
Horses 126, 197
Hutches 169

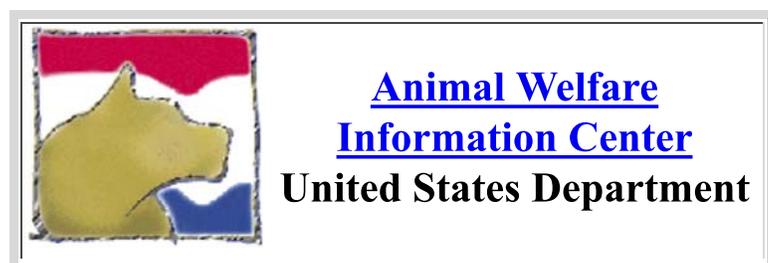
Hypothalamus 60
Identification 99, 149
Immobilization 70, 137
In vitro 41, 152
In vivo 41
Infection 56
Infectious diseases 27, 39
Infusion 207
Ingestion 197
Inhibitors 180
Injectable anesthetics 34
Injections 149
Injuries 98
Intramuscular injection 11
Intravenous injection 204
Investment 49
Iodides 182
Ivermectin 51, 66
Jugular vein 207
Juvenile literature 18
Ketamine 11
Kidneys 40
Laboratories 162
Laboratory animals 12, 24, 32, 78, 89, 97, 98, 102, 136, 138, 139, 140, 167,
177, 177, 204
Laboratory manuals 12, 102
Laboratory methods 103
Laboratory techniques 151
Laboratory tests 47
Lagomorpha 27
Larynx 126
Law and legislation 177
Layout and planning 134
Leporidae 68
Lepus 17
Lesions 51
Lidocaine 204
Light regime 196
Lines 5
Litters 55, 156
Liver 163
Livestock 72
Liveweight 163
Local anesthesia 204
Local anesthetics 204
Lymphatic system 124
Male animals 116
Mammary glands 127
Marketing 26, 160
Marking 196
Maternal behavior 94, 107, 156
Mating preference 73
Meat production 4, 165
Meat quality 163

Medical research 151
Metabolic diseases 27
Metabolism cage 59
Metabolites 110
Methodology 12, 102, 206
Mice 39, 42, 79, 86, 110, 127
Mice as laboratory animals 138
Microclimate 156
Microscopy 32
Milk production 4
Mineral content 45
Mite control 51, 66
Mitochondria 117
Models 67
Moisture 201
Mongolian gerbil 39
Morphology 32, 43, 52, 149
Mortality 58, 115, 135, 146
Morula 52
Motility 54
Movement 116
Multiple regression 193
Myocardium 117
Neonates 94
Neoplasms 27, 39
Nervous system diseases 11
Nesting 156
Nests 107, 156
Newborn animals 17, 135
Nitrogen 69
North Carolina 26, 26, 26
Nose 111
Odors 196
Ointments 204
Ontogeny 40
Oral administration 120
Ova transfer 181
Ovariectomized females 196
Ovaries (animal) 10
Ovulation 10
Pain 136
Parasitism 27
Pasteurella multocida 111, 129, 130
Pasteurellosis 130
Pathogenicity 130
Pathology 129
Pelts 165, 176
Pennsylvania 22
Pens 13, 57, 77
Pentobarbital 69
Peptides 21
Performance 135
Pest control 90, 161
Pets 9, 18

Ph 163
Pharynx 111
Physiological effect 63, 64
Physiology 7, 63, 63, 64, 64, 149, 150
Physiology, Experimental 150
Pig housing 134
Pigeons 182
Pigs 29, 126, 197
Plant composition 110
Plasmids 129
Plastic tunnels 134
Population density 38
Population dynamics 161
Postmortem examinations 135
Postoperative care 136
Postweaning interval 58
Poultry housing 134
Pregnancy 61, 113, 141
Prenatal period 40, 156
Prescribed burning 38
Preservation 54
Primates 86
Production costs 49
Progeny trials 96
Proteins 180
Pseudomonas aeruginosa 201
Psoroptes cuniculi 51, 66
Psoroptes cuniculi (Arthropoda) 71
Psoroptes ovis (Arthropoda) 71
Quality 156
Rabbit breeding 35
Rabbit breeds 160
Rabbit diseases 154, 166
Rabbit feeding 99, 149, 154, 173, 176
Rabbit housing 84, 173, 176
Rabbit hutches 88
Rabbit meat 163, 176
Rabbits 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 16, 17, 21, 22, 26, 26, 29, 34, 35, 39, 40, 41, 42, 43, 45, 47, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 66, 67, 68, 69, 70, 72, 73, 76, 77, 78, 79, 80, 82, 84, 85, 86, 87, 88, 90, 91, 94, 95, 96, 97, 98, 99, 100, 101, 103, 105, 107, 110, 111, 113, 115, 116, 117, 118, 120, 124, 126, 127, 129, 130, 133, 134, 135, 137, 141, 144, 145, 146, 149, 150, 150, 151, 152, 154, 155, 156, 157, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 169, 170, 173, 174, 176, 178, 181, 182, 184, 186, 187, 190, 191, 193, 196, 197, 201, 206, 207
Rabbits as laboratory animals 46, 138, 139, 140, 150, 167, 168
Radio control 22
Radiography 29
Rapid methods 52
Rats 39, 61, 79, 86, 110, 116, 126
Rectum 187
Redox potential 137
Reflexes 34
Regressions 5

Regulations 134
Reproduction 154, 169, 176
Reproductive disorders 91
Reproductive performance 146
Reptiles 39
Resistance, Host 71
Respiration rate 34
Restraint 97
Restraint of animals 70, 149, 162, 187
Retinyl acetate 91
Returns 49
Road transport 133
Rodents 27, 97, 98, 177
Rodents as laboratory animals 177
Roughage 59
Safety 34, 66, 98
Sanitation 160
Scent glands 141
Scotland 146
Seasonal distribution 71
Seasonal variation 43, 187
Secretions 141
Seminiferous tubules 82
Serotonin 100
Sex 58
Sex differences 190
Sex hormones 116
Sexual behavior 73, 116, 190, 196
Sheep 4
Skulls 105
Slaughter 173
Sleep 56
Small animal rearing 49
Small farms 49
Social behavior 184, 190, 191, 193
Social development 190
Social dominance 190
Social structure 193
South Eastern States (USA) 148
Species differences 110
Spermatogenesis 82
Squirrels 87
Staphylococcus aureus 201
Stomach 32
Strains 137
Streptococcus pyogenes 56
Stress 3, 45, 56, 133, 162, 163
Structure 85
Study and teaching 89
Superovulation 95
Support measures 134
Surgery 150
Surgery, Experimental 150
Surgical operations 8, 105

Survival 52, 135, 156
Susceptibility 130
Sylvilagus floridanus 38
Symptoms 56, 129
Tanning 176
Taste sensitivity 60
Technicians 166
Techniques 162
Temperature 3, 59, 63, 64
Temperatures 146
Teratogenesis 61
Territory 191
Test procedure 41, 152
Testes 43, 82
Thawing 52
Thermoregulation 17
Thyroid gland 182
Tissue culture 111
Toxic substances 186
Toxicity 67, 180, 186
Toxicity testing 46
Transit time 163
Transport of animals 133, 163
Treatment 27
Tropane alkaloids 110
Types 42
Ultrastructure 117, 124
United Kingdom 4, 165
Urine 110
Vegetation 38
Ventilation 134
Veterinary anatomy 24
Veterinary services 86
Viability 52
Virginiamycin 45
Vitamin a excess 91
Water intake 21, 149
Weight 58
White mice 145
Wild animals 87
Wildlife management 22, 38
Wool production 165
Xylazine 11
Young animals 87, 105
Zoonoses 98



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