

fect domestic animals which might come in contact with them.

HEARTWORM DISEASE occurs throughout the United States. Infection may be prevented by daily doses of *Diethylcarbamazine* (DEC). Treatment should be started at the beginning of the mosquito season and continue for several weeks after. In warmer climates, it should be given year round. Have a blood sample checked for microfilaria before starting treatment.

The new drug *Ivermectin*, which is effective when given every thirty days, has not yet been approved by the FDA. It is being tested in tablet form, and very small doses are effective against microfilariae. Some dog owners are using products approved for horses and cattle. It cannot be recommended for dogs until it has passed all tests for safety.

Get It Right!

If Doctor or its abbreviation Dr. is used before a person's name, academic degrees are not given after the surname. Correctly, a name is written as Dr. John Jones or John Jones, V.M.D.

V.M.D. (Veterinariae Medicinae Doctoris) is awarded only by the University of Pennsylvania in the United States. The other schools award a D.V.M. The requirements are much the same for each.

The noun *veterinarian* and the adjective *veterinary* often are used incorrectly. A veterinarian is a graduate of a veterinary school.

To *spay* means to neuter a female animal—the past tense is spayed (not “spaded”). A male is castrated.

Specialists

The American Veterinary Medical Association recognizes fourteen Specialty Boards. After fulfilling prerequisites (advanced training, experience, etc.) and passing an examination, a veterinarian becomes a Diplomate (Board-certified).

The American Board of Veterinary Practitioners has Diplomates in three categories—Companion Animal, Food Animal, and Equine. Their certificate expires in ten years, when a recertification examination is given.

Other Boards are Veterinary Toxicology (the science of poisons—their source, chemical composition, action, tests and antidotes), Laboratory Animal

Medicine, Theriogenology (the study of reproduction in animals), Anesthesiology, Dermatology, Veterinary Internal Medicine (Internal Medicine, Cardiology, and Neurology), Microbiology, Ophthalmology, Veterinary Pathology, Veterinary Preventive Medicine, Veterinary Radiology, Veterinary Surgery, and Zoological Medicine.

The Annual Directory of the American Veterinary Medical Association lists Specialty Boards and Diplomates as well as the prerequisites for examinations.



Book Reviews

The Evans Guide for Housetraining Your Dog by Job Michael Evans (Howell Book House, 230 Park Ave., New York, NY 10169, \$11.95)

This is an excellent book for anyone getting a puppy for the first time. For the more experienced owner, there are new ideas and something to be learned from the author's progressive approach.

Housetraining requires time and hard work, for a time, and this book can be a guide to success. It shows how to do the job so the dog becomes an accepted member of the household.

Some excerpts:

... Problems arise when an individual dog, either through its genetic makeup or mistraining by its owner, comes to think of itself as the leader of the pack.

... Establish eye contact on your own terms ... if you've been yelling at your dog when dealing with a housetraining accident, resolve to stop today. Try using the human equivalent of a bitch's growl.

... You should discipline your dog ... the most you will need, except in chronic cases, is your growling tone of voice and eye contact. Discipline humanely and on a level that the dog can comprehend, because the discipline mimics that of the bitch. ... If you want your puppy or older dog to get housetrained, you simply *must* confine the dog.

... The Umbilical Cord Method: Attach the dog's leash to your belt loop and go about your day. You'll know exactly where your dog is and can more effectively avoid housetraining accidents.

... Schedules are important and it is essential to have one if you want to housetrain effectively.

... What Goes in Comes Out ... Select a good food.

... Housetraining isn't just something that magically happens ... but once it's done, it's done.



The Arabian: A Guide for Owners by Sharon Byford (Alpine Publications, 214 19th St. S.E., Loveland, CO 80537, \$35.00)

This book is a primer for the Arabian horse owner, which covers history, bloodlines, care, breeding, and training. There also is basic information on stable management, health care, grooming, genetics, etc. There is something which should be of interest to anyone who would like to read about horses in general, Arabians in particular.

Some excerpts:

... The Arabian horse is the world's oldest breed. All Thoroughbreds eventually trace to Arabian ancestry.

... The Arabian is characterized by a beautiful, delicate head, often with a “dished” or concave profile below large, prominent eyes; a high-set, arched neck; and a naturally high tail carriage.

... Credit for popularizing the Arabian horse throughout the world belongs to the Crabbet Arabian Stud of Sussex, England.

... A few Arabians were imported to the United States in colonial times.

... The Arabian's affection for people often is attributed to close contact between the desert horses and their Bedouin owners. Foals usually were weaned quite early and were usually dependent upon their owners for care and survival. Bedouin women and children usually raised the young horses, feeding them camel's milk.

... It has been said that they respond more like pet dogs than other breeds of horses.

... The loyalty of the Arabian horse to its owners was legendary in the desert; a celebrated war mare would not leave its fallen rider. Throughout history, the Arabian excelled as a war horse.

... Arabian shows feature a variety of performance classes, such as English Pleasure, Western Pleasure, Reining, Stock Horse, Trail, Pleasure Driving, Formal Driving, Cutting, Side Saddle, Hunter, Jumper, Park Horse, Equitation, and Native Costume.

... Arabian horses will continue to be appreciated for their beauty, intelligence, endurance, spirit, and affectionate nature. It is up to the owners and breeders of today to ensure that the Arabian horse of tomorrow retains the qualities for which it has been valued for thousands of years.

breeds. The database will ultimately offer the opportunity for veterinary students, veterinarians, and breeders to have microcomputer access to current knowledge in the field of canine genetics.*

The goal of Dr. Richard Miselis's project was to implement computerized three-dimensional reconstruction graphics to teach anatomy courses in the Veterinary School. Generally, two-dimensional tissue sections or textbook drawings are used to convey gross structure, microstructure, and ultrastructure in anatomy courses. Dr. Miselis has created a program which inputs this information into the computer and reconstructs an image in three-dimensional perspective, allowing more rapid appreciation and retention of the aspects of the structure being taught. A student database interface is in development. Future goals are to develop this program to aid in interpretation of images obtained from technologies such as CAT, NMR, and PET scans.

The Veterinary Microcomputer Laboratory, directed by Dr. Larry Glickman and coordinated by Linda Domanski, will be used in both teaching and research. The microcomputer laboratory facilitates

the use of programs developed by other THRESHOLD investigators at the Veterinary School. The facility consists of two IBM ATs and four IBM XTs, connected by the IBM PC Network. Currently, the spreadsheet programs developed by Drs. Ramberg and Galligan are available in the microcomputer laboratory and are in use by veterinary students. Other activities include incorporation of clinical decision analysis in the veterinary curriculum, teaching of epidemiologic methods through simulations of epidemics, and providing microcomputer-based statistical software to aid in student research.

THRESHOLD has provided the Veterinary School the capability to develop innovative software focused at a wide variety of veterinary applications and has made microcomputing available to veterinary students.

*The project is supported by funds from the American Kennel Club. It will require three to five years before it is available for general use.

—Linda Domanski

General Alumni Society Trip

The General Alumni Society and the College of General Studies will sponsor an exciting Alumni College Weekend in Charleston, South Carolina, during the Spoleto Festival. This comprehensive arts festival was founded by composer Gian Carlo Menotti in 1977. A full program of sightseeing throughout this charming city will be included, as well as a performance of chamber music; “Footprints” by the Jazz/Tapp Ensemble; “A Road to Mecca,” starring and directed by the playwright, Athol Fugard; and the opera “Salome” by Richard Strauss. Dr. Eugene Narmour, associate professor in the music department, will lecture throughout the weekend.

The group will stay at the famous Mills House in Charleston. The dates are May 28-31. For more information, please feel free to call Rhea Mandell at 898-6940.