



AMSCOPE

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SPECIALTY WINS

MSC of Birmingham

April 28 2007

Regular Class (11--7-4-2)

Judge: Richard Lake

WD,BOW ...Croix Lac Capt Petard/LaCroix

RWD...Karlshof Kasa Nova/Barth

WB ...Estrada's Shazzam Mtn Brook/Turner-Estrada

RWB...Destineez On The Record/Houck/Pendleton/
Ream

BOS...Ch. Slam Dunk's Full Court Press/Shiver

BOB..Ch Destineez Steeles Home To Encore/
Conrad/Houck/Pendleton

MSC of Atlanta

Sweeps (7-4)

Judge: Errolyn Martin

Best in Sweeps..Bravo's Absolutely Fabulous/Hills

BOS in Sweeps..B-J-B's Full Metal Jacket/Brown

Regular Class (13-16-4-2)

Judge: Gwynne McNamara

WD ...Repetition's Rebel Rouse/Olburn

RWD..Postscript's Secret Weapon/Steele

WB/BOW ...Bravo's Absolutely Fabulous/Hills

RWB...R-Bo's It Had To Be You/Ellis

BOS...CH Bravo's Takin Care of Business/Huff/Hills

BOB..CH Sterling' Ugly From The Front/Tuttle/
LaSalle/Diaz

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INSERTS: Ads, Montco ad

THE IMMUNE SYSTEM AND DISEASE RESISTANCE

By W. Jean Dodds, DVM*

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This article discusses the essential role of the immune system in maintaining the body's overall general health and resistance to disease. The focus will be on environmental factors or events which may cause or trigger immune dysfunction leading to either immune deficiency or immune stimulation (reactive or autoimmunity). Related to these events is the development of cancer which is a disruption of cell growth control.

Overview of the Immune System

Immune competence is provided and maintained by two cellular systems which involve lymphocytes. Lymphocytes are cells produced by the body's primary (bone marrow and thymus) and secondary (lymph nodes and spleen) lymphatic organs. They are descendants of the bone marrow's pool of stem cells, and produce a circulating or humoral immune system derived from B-cells (bursa-dependent or bone marrow derived), and a cellular or cell-mediated immune system that derives from T-cells (thymus dependent).

B-Cell Immunity

B-cell immunity includes the circulating antibodies or immunoglobulins such as IgG, IgM, IgA, IgD, and IgE. These antibodies provide an important defense mechanism against disease in healthy individuals but can become hyperactive or hypoactive in a variety of disease states. Hyperactive or increased levels of immunoglobulins can occur in two ways: acutely, as a reaction to disease or inflammatory insult ("acute phase" reaction); or chronically, as in autoimmune or immune-mediated diseases, chronic infections, and certain types of bone marrow and organ cancers. Hypoactive or decreased levels of immunoglobulins can result from rare genetically based immunodeficiency states such as agammaglobulinemia or hypogammaglobulinemia, and from the immune suppression associated with chronic viral, bacterial, or parasitic infection, cancers, aging, malnutrition, drugs, toxins, pregnancy, lactation, and stress.

T-cell Immunity

T-cell, or cell-mediated immunity is the cellular mechanism whereby T-cells act as coordinators and effectors of the immune system. Cell-mediated immunity involves the lymph nodes, thymus, spleen, intestine (gut-associated lymphoid tissue), tonsils, and a mucosal secretory immunity conveyed by IgA. The major classes of T-cells are designated as helper, cytotoxic, and suppressor cells. The helper cells "help" coordinate the immune response whereas the cytotoxic cells comprise the effector network that participates in removing virus-infected cells from the body. The third class of suppressor T-cells is important in dampening the immune response when it becomes overactive or out of regulatory control. Finally, cooperation between the various T-cell classes and between T- and B-cells is an important component of the normal humoral and cellular immune response. Hyperactive cellular immune responses produce autoimmune and other immune-mediated diseases while hypoactive cell-mediated immunity causes immune suppression and incompetence. Classical examples of this latter situation occur with retroviral infection such as human AIDS or the animal equivalents (e.g. feline immunodeficiency virus, feline leukemia virus, bovine leukemia virus, equine infectious anemia).

Introduction to Autoimmune Diseases

The term "autoimmunity" literally means immunity against self and is caused by an immune-mediated reaction to self-antigens (i.e. failure of self-tolerance). Susceptibility to autoimmune disease has a genetic basis in humans and animals. Numerous viruses, bacteria, chemicals, toxins, and drugs have been implicated as the triggering environmental agents in susceptible individuals. This mechanism operates by a process of molecular mimicry and/or non-specific inflammation. The resultant autoimmune diseases reflect the sum of the genetic and environmen-

Continued on p. 3, col. 1... IMMUNE SYSTEM

LOOK

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The deadline
for the
August issue
is July 20th.

Prez Sez....

By the time that you receive this, our specialty at Great Western will be over. Hopefully, we will have many more years of this wonderful show weekend, but as most of you probably know, there legislation pending that could greatly hurt us. This is California Assembly Bill 1634. This legislation proposes mandatory spaying/neutering of very young dogs and cats. This would greatly hamper breeders in the state and could virtually eliminate dog shows. AMSC has had a very good campaign to get breeders more knowledgeable about this reckless legislation and encourages all of to write to the legislators. AMSC has written letters to both assembly committees reviewing the bill, as well as the governor. Many of our members in California have rallied against this and represented us by showing up at the hearings in Sacramento. Many thanks to those folks. By the time this message reaches you AB1634 may have been voted on. I am optimistically hoping for success.

AB1634 is not the only harmful legislation we are facing, we must be continually diligent in opposing bad laws which unfairly restrict our rights to own and breed dogs. Keeping that in mind, we must also show support for reasonable laws that promote the well-being of animals.

I am very excited about the DVD that AMSC has contracted Pure-Bred Studios to produce of our National Specialty at Montgomery County in 2007. This will be a very professional product. The website has been updated to include both an order form and PayPal option. There is also an order form in this AMSCOPE. Order early, as there is a \$10 discount for pre-orders.

Also keep your eyes open for our new and improved website which should be making it's debut in a few weeks. Our webmaster, Hilde Haakensen, has done an excellent job and I think you will like the changes.

John

If you need a Membership Application or if you have changed your email address, mailing address or phone number, please contact
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716-627-3206

Researchers Identify Gene Involved in Dog Size

[Tuesday, April 10, 2007]

Discovery May Help Efforts to Better Understand Genetic Influences On Stature in Humans, Other Mammals

BETHESDA, Md., Fri., Apr. 6, 2007 ‹ An international team led by researchers from the National Human Genome Research Institute (NHGRI), part of the National Institutes of Health (NIH), has identified a genetic variant that is a major contributor to small size in dogs. The findings appear in the April 6, 2007 issue of the journal Science.

The branch of the canine family tree that includes domestic dogs diverged from that of the gray wolf more than 15,000 years ago. Due to selective breeding by humans throughout history, dogs today exhibit an extremely wide range of body types and behaviors. In fact, dogs exhibit the greatest diversity in body size of any mammalian species.

Although the research was not directly funded by the AKC Canine Health Foundation, the findings still have profound effects on the ways in which research is conducted. "We're very excited about these findings, both with regard to the canine community and the implications for human research as well," said A. Duane Butherus, PhD, grants chair of the American Kennel Club Canine Health Foundation. "The compact breeding cycles and well-documented pedigrees of purebred dogs are helpful tools in the search for genetic markers. The markers we find in canine research are often the candidate genes for human research as well, so 'man's best friend' is truly becoming man's best friend in the fight against disease."

For more information about this article as written by Raymond MacDougall NHGRI, please visit our website:

http://www.akcchf.org/news/index.cfm?article_id=180

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tal factors involved. Autoimmunity is most often mediated by T-cells or their dysfunction. As stated in a recent review, "perhaps the biggest challenge in the future will be the search for the environmental events that trigger self-reactivity" (Sinha, Lopez and McDevitt; Science, 248: 1380, 1990). Table 1 lists factors commonly associated with autoimmune diseases.

The four main causative factors of autoimmune disease have been stated to be: Genetic predisposition; Hormonal influences, especially of sex hormones; Infections, especially of viruses; and Stress.

Immune-Suppressant Viruses

Immune-suppressant viruses of the retrovirus and parvovirus classes have recently been implicated as causes of bone marrow failure, immune-mediated blood diseases, hematologic malignancies (lymphoma and leukemia), dysregulation of humoral and cell-mediated immunity, organ failure (liver, kidney), and autoimmune endocrine disorders especially of the thyroid gland (thyroiditis), adrenal gland (Addison's disease), and pancreas (diabetes). Viral disease and recent vaccination with single or combination modified live-virus vaccines, especially those containing distemper, adenovirus 1 or 2, and parvo virus are increasingly recognized contributors to immune-mediated blood disease, bone marrow failure, and organ dysfunction. Genetic predisposition to these disorders in humans has been linked to the leucocyte antigen D-related gene locus of the major histocompatibility complex, and is likely to have parallel associations in domestic animals. Drugs associated with aggravating immune and blood disorders include the potentiated sulfonamides (trimethoprim-sulfa and ormetoprim-sulfa antibiotics), the newer combination or monthly heartworm preventives, and anticonvulsants, although any drug has the potential to cause side-effects in susceptible individuals.

Immune Deficiency Diseases

Immune deficiency diseases are a group of disorders in which normal host defenses against disease are impaired. These include disruption of the body's mechanical barriers to invasion (e.g. normal bacterial flora; the eye and skin; respiratory tract cilia); defects in non-specific host defenses (e.g. complement deficiency; functional white blood cell disorders), and defects in specific host defenses (e.g. immunosuppression caused by pathogenic bacteria, viruses and parasites; combined immune deficiency; IgA deficiency; growth hormone deficiency).

Thyroid Disease and the Immune System

Thyroid dysfunction is the most frequently rec-

ognized endocrine disorder of the dog. The most common form of canine thyroid disease is autoimmune thyroiditis (equivalent to Hashimoto's disease of humans), which is a familial autoimmune disease of inherited predisposition. As the thyroid gland regulates metabolism of all body cellular functions, reduction of thyroid function leading to hypothyroidism can produce a wide range of clinical manifestations (Table 2). Because so many of the clinical signs of thyroid dysfunction mimic symptoms resulting from other causes, it is difficult to make an accurate diagnosis of thyroid-related illness without appropriate veterinary laboratory tests combined with an experienced professional interpretation of the test results. More specific details about the accurate diagnosis of thyroid disease can be found in the literature cited at the end of this article.

Genetic Screening for Thyroid Disease

Complete baseline thyroid panels and thyroid antibody tests can be used for genetic screening of apparently healthy animals to evaluate their fitness for breeding. Any dog having circulating antithyroid autoantibodies can eventually develop clinical symptoms of thyroid disease or be susceptible to other autoimmune diseases because their immune system is impaired. Therefore, thyroid prescreening can be very important for selecting potential breeding stock.

Thyroid testing for genetic screening purposes is unlikely to be meaningful before puberty. Screening is initiated, therefore, once healthy dogs and bitches have reached sexual maturity (between 10-14 months in males and during the first anestrus period for females following their maiden heat). Anestrus is a time when the female sexual cycle is quiescent thereby removing any influence of sex hormones on baseline thyroid function. This period generally begins 12 weeks from the onset of the previous heat and lasts 1 month or longer. The interpretation of results from baseline thyroid profiles in intact females is more reliable when they are tested in anestrus. Thus, testing for health screening is best performed at 12-16 weeks following the onset of the previous heat. Screening of intact females for other parameters like vWD, hip dysplasia, inherited eye disease, and wellness or reproductive checkups should also be scheduled in anestrus.

Once the initial thyroid profiles are obtained, dogs and bitches should be rechecked on an annual basis to assess their thyroid and overall health. Annual results provide comparisons for early recognition of developing thyroid dysfunction. This permits treatment intervention, where indicated, to avoid the appearance or advancement of clinical signs associated with

hypothyroidism. For optimal health, young dogs under 15-18 months of age should have thyroid baseline levels in the upper half of the adult normal ranges. This is because puppies and adolescent dogs require higher levels of thyroid hormones as they are still growing and maturing. Similarly, older animals beyond 8 or 9 years of age have slower metabolisms and so baseline thyroid levels of normal (euthyroid) dogs may be slightly below midrange. For optimum thyroid function of breeding stock, levels should be close to the midpoint of the laboratory normal ranges, because lower levels may be indicative of the tarry stages of thyroiditis among relatives of dog families previously documented to have thyroid disease.

The difficulty in accurately diagnosing early thyroid disease is compounded by the fact that some patients with typical clinical signs of hypothyroidism have circulating thyroid levels within the normal range. A significant number of these patients will improve clinically when given thyroid medication. In such cases, blood levels of the hormones can be normal but tissue levels are inadequate to maintain health, and so, the patient shows clinical signs of hypothyroidism. This situation pertains in selenium deficiency (discussed below). While animals in this category should respond well to thyroid medication, only experienced clinicians are likely to recognize the need to place these dogs on a 6-8 week clinical trial of thyroid supplementation. This approach is safe and clinically appropriate, but it requires rechecking blood levels of thyroid hormones towards the end of the 6-8 week period to assure that the patient is receiving the correct dose of medication.

Other Factors Influencing Thyroid Metabolism

Because animals with autoimmune thyroid disease have generalized metabolic imbalance and often have associated immunological dysfunction, it is advisable to minimize their exposures to unnecessary drugs, toxins, and chemicals, and to optimize their nutritional status with healthy balanced diets. Wholesome nutrition is a key component of maintaining a healthy immune system. In our experience, families of dogs susceptible to thyroid and other autoimmune diseases show generalized improvement in health and vigor when fed premium cereal-based diets preserved naturally with vitamins E and C (without the addition of chemical antioxidant preservatives such as BHA, BHT, or ethoxyquin). Fresh home-cooked vegetables with herbs, low fat dairy products, and meats such as lamb, chicken, and turkey can be added as supplements. Challenging the immune system of animals susceptible to these disorders with polyvalent modified-live vaccines has been associated with adverse effects in some cases (see be-

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low). Table 1 lists other agents that should be avoided in susceptible or affected animals.

Nutritional influences can have a profound effect on thyroid metabolism. For example, iodine deficiency in areas where cereal grain crops are grown on iodine-deficient soil will impair thyroid metabolism because this mineral is essential for formation of thyroid hormones. Recently an important link has been shown between selenium deficiency and hypothyroidism. Again, cereal grain crops grown on selenium-deficient soil will contain relatively low levels of selenium. While commercial pet food manufacturers compensate for variations in basal ingredients by adding vitamin and mineral supplements, it is difficult to determine optimum levels for so many different breeds of dogs having varying genetic backgrounds and metabolic needs. The selenium-thyroid connection has significant clinical relevance, because blood levels of total and free T4 rise with selenium deficiency. However, this effect does not get transmitted to the tissues as evidenced by the fact that blood levels of the regulatory thyroid stimulating hormone (TSH) are also elevated or unchanged. Thus, selenium-deficient individuals showing clinical signs of hypothyroidism could be overlooked on the basis that blood levels of T4 hormones appeared normal. The selenium issue is further complicated because chemical antioxidants can impair the bioavailability of vitamin A, vitamin E and selenium and alter cellular metabolism by inducing or lowering cytochrome p-450, glutathione peroxidase (a selenium-dependent enzyme), and prostaglandin levels. As manufacturers of many premium pet foods began adding the synthetic antioxidant, ethoxyquin, in the late 1980's, its effects along with those of other chemical preservatives (BHA, BHT), are surely detrimental over the long term. The way to avoid this problem is to use foods preserved with natural antioxidants such as vitamin E and vitamin C.

Immunological Effects of Vaccines

Combining viral antigens, especially those of modified live virus (MLV) type which multiply in the host, elicits a stronger antigenic challenge to the animal. This is often viewed as desirable because a more potent immunogen presumably mounts a more effective and sustained immune response. However, it can also overwhelm the immunocompromised or even a healthy host that is continually bombarded with other environmental stimuli and has a genetic predisposition that promotes adverse response to viral challenge. This scenario may have a significant effect on the recently weaned young puppy that is placed in a new environment. Furthermore, while the frequency of vaccinations is usually spaced 2-3 weeks span, some veterinarians have advocated vaccina-

tion once a week in stressful situations. To me, this practice makes no sense from a scientific or medical perspective. While young puppies exposed this frequently to vaccine antigens may not demonstrate overt adverse effects, their relatively immature immune systems may be temporarily or more permanently harmed from such antigenic challenges. Consequences in later life may be the increased susceptibility to chronic debilitating diseases. Some veterinarians trace the increasing current problems with allergic and immunological diseases to the introduction of MLV vaccines some 20 years ago. While other environmental factors no doubt have a contributing role, the introduction of these vaccine antigens and their environmental shedding may provide the final insult that exceeds the immunological tolerance threshold of some individuals in the pet population (Figure 1).

Vaccine Dosage

Manufacturers of MLV combination vaccines recommend using the same dose for animals of all ages and different sizes. It has never made any sense to vaccinate toy and giant breed puppies (to choose two extremes) with the same vaccine dosage. While these products provide sufficient excess of antigen for the average sized animal, it is likely to be either too much for the toy breeds or too little for the giant breeds. In addition, combining certain specific viral antigens such as distemper with adenovirus 2 (hepatitis) has been shown to influence the immune system by reducing lymphocyte numbers and responsiveness.

Hormonal State During Vaccination

Relatively little attention has been paid to the hormonal status of the patient at the time of vaccination. While veterinarians and vaccine manufacturers are aware of the general rule not to vaccinate animals during any period of illness, the same principle should apply to times of physiological hormonal change. This is particularly important because of the known role of hormonal change alone with infectious agents in triggering autoimmune disease. Therefore, vaccinating animals at the beginning of, during, or immediately after an estrous cycle is unwise, as would be vaccinating animals during pregnancy or lactation. In this latter situation, adverse effects can accrue not only to the dam but also because a newborn litter is exposed to shed vaccine virus. One can even question the wisdom of using MLV vaccines on adult animals in the same household because of exposure of the mother and her litter to shed virus. Recent studies with MLV herpes virus vaccines in cattle have shown them to induce necrotic changes in the ovaries of heifers that were vaccinated during estrus. The vaccine strain of this virus was also isolated from control heifers that apparently

became infected by sharing the same pasture with the vaccinates. Furthermore, vaccine strains of these viral agents are known to be causes of abortion and infertility following herd vaccination programs. If one extrapolates these findings from cattle to the dog, the implications are obvious.

Killed Versus Modified Live Vaccines

Most single and combination canine vaccines available today are of MLV origin. This is based primarily on economic reasons and the belief that they produce more sustained protection. A long-standing question remains, however, concerning the comparative safety and efficacy of MLV versus killed (inactivated) virus vaccines. A recent examination of the risks posed by MLV vaccines concluded that they are intrinsically more hazardous than inactivated products. The residual virulence and environmental contamination resulting from the shedding of vaccine virus is a serious concern. More importantly, the ability of new infective agents to develop and spread poses a threat to both wild and domestic animal populations. The controversy in weighing the risks and benefits of MLV versus killed vaccines is building. Vaccine manufacturers seek to achieve minimal virulence (infectivity) while retaining maximal immunogenicity (protection). This desired balance may be relatively easy to achieve in clinically normal, healthy animals but may be problematic for those with even minor immunologic deficit. The stress associated with weaning, transportation, surgery, subclinical illness, and a new home can also compromise immune function. Furthermore, the common viral infections of dogs cause significant immunosuppression. Dogs harboring latent viral infections may not be able to withstand the additional immunological challenge induced by MLV vaccines. The increase in vaccine-associated distemper and parvovirus diseases are but two examples of this potential. So — why are we causing disease by weakening the immune system with frequent use of combination vaccine products? After all vaccines are intended to protect against disease. It is well-recognized by experts in the field that a properly constituted killed vaccine is always preferable to one of MLV origin. Killed vaccines do not replicate in the vaccinated animal, do not carry the risk of residual virulence and do not shed attenuated viruses into the environment. On the other hand, MLV vaccines are capable of stimulating a more sustained protective response. So what does the future hold here? Veterinarians, scientists, breeders and owners need to voice their concern and discontent with the present industrial vaccine practices. We need to urge manufacturers to seek alternatives. Even if killed vaccines are proven to be somewhat less efficacious (produce lower levels or less sustained protection) than MLV products, they

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are more safe. All killed vaccines on the market today have passed current efficacy and safety standards in order to be licensed for use by the USDA. The issue is to what extent being more effective elicits a benefit rather than a risk. The future will evolve new approaches to vaccination including sub-unit vaccines, recombinant vaccines using DNA technology, and killed products with new adjuvants to boost and prolong protection. These are not simple solutions to a problem, however, because early data from recombinant vaccines against some human and mouse viruses have shown potentially dangerous side-effects by damaging T-lymphocytes. Contributing factors were shown to be the genetic background of the host, the time or dose of infection, and the makeup of the vaccine. We are obviously still a long way from producing a new generation of improved and safe vaccines. In the meantime, we need to return to using killed products whenever they are available and should consider giving them more often (twice yearly rather than annually) for high-risk exposure situations. Vaccines, while necessary and generally safe and efficacious, can be harmful or ineffective in selected situations.

Cancer and Immunity

Proper regulation of cellular activity and metabolism is essential to normal body function. Cell division is a process under tight regulatory control. The essential difference between normal and tumor or cancerous cells is a loss of growth control over the process of cell division. This can result from various stimuli such as exposure to certain chemicals, viral infection, and mutations, which cause cells to escape from the constraints that normally regulate cell division. Proliferation of a cell or group of cells in an uncontrolled fashion eventually gives rise to a growing tumor or neoplasm. Of course, tumors can be both benign (a localized mass that does not spread) or malignant (cancerous), in which the tumor grows and metastasizes to many different sites via the blood or lymph.

Tumor cells also express a variety of proteins called "neoantigens" on their surface, and many of these are different from antigens found on normal cells. These new or altered proteins are recognized as foreign by the immune system, and so trigger an immunological attack. There are a large number of them known as tumor-specific or tissue-specific antigens, whereas others recognize the blood group systems, histocompatibility complex, and viruses. The situation in cancer is complex because not only can immunologically compromised individuals become more susceptible to the effects of cancer-producing viral agents and other chemical carcinogens, the cancer itself can be profoundly immunosuppressive. The form of immunosuppression usually varies

with the tumor type. For example, lymphoid tumors (lymphomas and leukemia) tend to suppress antibody formation, whereas tumors of T-cell origin generally suppress cell-mediated immunity. In chemically induced tumors, immunosuppression is usually due to factors released from the tumor cells or associated tissues. The presence of actively growing tumor cells presents a severe protein drain on an individual which may also impair the immune response. Blocking factors present in the serum of affected animals exist which can cause enhancement of tumor growth. Additionally, immunosuppression in tumor-bearing animals can be due to the development of suppressor cells.

The body also contains a group of complementary factors that provide a protective effect against tumors and other immunologic or inflammatory stresses. These are mixtures of proteins produced by T-cells and are referred to as "cytokines." Cytokines include the interleukins, interferons, tumor-necrosis factors, and lymphocyte-derived growth factors. Recent studies have shown that normal levels of zinc are important to protect the body against the damaging effects of the specific cytokine, tumor-necrosis factor (TNF). Inadequate levels of zinc have been shown to promote the effect of TNF in disrupting the normal endothelial barrier of blood vessels. This could have a significant effect in promoting the metastasis of tumor cells to different sites, thereby hastening the spread and growth of a particular cancer.

Currently about 15% of human tumors are known to have viral causes or enhancement. Viruses also cause a number of tumors in animals and no doubt the number of viruses involved will increase as techniques to isolate them improve. The T-cell leukemias of humans and animals are examples of those associated with retroviral infections. This same class of viruses has been associated with the production of autoimmunity and immunodeficiency diseases. The recent isolation of a retrovirus from a German Shepherd with T-cell leukemia exemplifies the potential role of these agents in producing leukemia and lymphomas in the dog.

The increased prevalence of leukemia and lymphomas in the Golden Retriever and several other breeds is a case in point. Similarly, there has been an increase in the prevalence of hemangiosarcomas (malignant tumors of the vascular endothelium) primarily in the spleen, but also in the heart, liver and skin. They occur most often in middle age or older dogs of medium to large breeds. The German Shepherd dog is the breed at highest risk, but other breeds including the Golden Retriever and Vizsla have shown a significantly increased incidence especially in certain fami-

lies. This suggests that genetic and environmental factors play a role. It is tempting to speculate that environmental factors that promote immune suppression or dysregulation contribute to failure of immune surveillance mechanisms. These protect the body against the infectious and environmental agents which induce carcinogenesis and neoplastic change.

Nutritional Factors and the Immune System

As alluded to above, an adequate nutritional state is important in managing a variety of inherited and other metabolic diseases as well as for a healthy immune system. Examples where nutritional management is important in inherited disorders includes: adding ingredients to the diet to make it more alkaline for Miniature Schnauzers with calcium oxalate bladder or kidney stones; use of the vitamin A derivative, etretinate in Cocker Spaniels and other breeds with idiopathic seborrhea of the skin; management with drugs and diet of diseases such as diabetes mellitus and the copper-storage disease prevalent in breeds like the Bedlington Terrier, West Highland White Terrier, and Doberman Pinscher; and treatment of vitamin B-12 deficiency in Giant Schnauzers. Other nutritional influences include the vitamin K-dependent coagulation defect elicited in Devon Rex cats following vaccination; hip dysplasia in puppies fed excessive calories; osteochondritis dissecans in dogs fed high levels of calcium; and hypercholesterolemia in inbred sled dogs fed high fat diets.

Nutritional factors that play an important role in immune function include zinc, selenium and vitamin E, vitamin B-6 (pyridoxine), and linoleic

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IMMUNE SYSTEM....Cont'd from p. 5, col 3

acid. Deficiencies of these compounds impairs both circulating (humoral) as well as cell-mediated immunity. The requirement for essential nutrients increases during periods of rapid growth or reproduction and also may increase in geriatric individuals, because immune function and the bioavailability of these nutrients generally wanes with aging. As with any nutrient, however, excessive supplementation can lead to significant clinical problems, many of which are similar to the respective deficiency states of these ingredients. Supplementation with vitamins and minerals should only be given with the advice of a professional nutritionist and should not be viewed as a substitute for feeding premium quality fresh and/or commercial dog foods.

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TABLE I FACTORS ASSOCIATED WITH AUTOIMMUNE DISEASE**Sex** (2:1 females)**Genetic or familial history**

Increasing frequency

Pregnancy

Stunted fetal growth

Congenital malformations

Stress

environmental

emotional

physiological

Hormonal Irregularitiespolyglandular autoimmunity
(endocrinopathy)

pituitary-thyroid axis dysfunction

reproductive failure

abnormal heat cycles

pyometra
false pregnancy
hypogonadism
oligospermia
aspermia
anestrus**Nutritional Influences**deficiency or imbalances
trace minerals
nutrients
vitamins
chemical preservatives
toxins in feeds
chemical or drug residues
spoiled feeds**Adverse Drug Reactions**trimethoprim-sulfas
ormetoprim sulfa
nitrofurans
butazolidin
Phenobarbital
primidone
diethylcarbamazine-
oxybendazole
ivermectin
milbemycin oxime**Viral Infection**parvovirus
retroviruses
cytomegalovirus
measles and distemper viruses
hepatitis viruses**Frequent or Recent Use of MLV Vaccines**parvovirus
distemper
hepatitis - Lyme (vaccines alone
or in combination)

Bordetella

rabies

Underlying or Concomitant Diseaselymphoma or leukemia
(retrovirus infections)
bone marrow failure
(low red and white cells,
platelets)
immune dysregulation
humoral - cellular (immunodeficiency)
chronic infections
bacterial
viral
parasitic
fungal**Other Autoimmune Disorders**Hashimoto's thyroiditis
Addison's disease
rheumatoid arthritis
lupus erythematosus
idiopathic thrombocytopenic
purpura
hemolytic anemia
chronic active hepatitis
diabetes mellitus
hypogonadism
myasthenia gravispemphigus, vitiligo
glomerulonephritis
alopecia
Graves' disease
hypoparathyroidism
seizures and other neurologic
manifestations
uveitis and other immunologic
eye diseases**TABLE 2. CLINICAL SIGNS OF CANINE HYPOTHYROIDISM****Alterations in Cellular Metabolism**lethargy
mental dullness
exercise intolerance
neurologic signs
polyneuropathy
seizures
weight gain
cold intolerance
mood swings
hyperexcitability
stunted growth
chronic infections**Neuromuscular Problems**weakness
stiffness
laryngeal paralysis
facial paralysis
"tragic" expression
knuckling or dragging feet
muscle wasting
megaesophagus
head tilt
drooping eyelids**Dermatologic Diseases**dry, scaly skin and dandruff
coarse, dull coat
bilaterally symmetrical hair loss
"rat tail"; "puppy coat"
hyperpigmentation
seborrhea or greasy skin
pyoderma or skin infections
myxedema
chronic offensive skin odor**Reproductive Disorders**infertility
lack of libido
testicular atrophy
hypospermia
aspermia
prolonged interestrus interval
absence of heat cycles
silent heats
pseudopregnancy
weak, dying or stillborn pups**Cardiac Abnormalities**slow heart rate (bradycardia)
cardiac arrhythmias
cardiomyopathy

Cont'd on p. 7, col. 1...IMMUNE SYSTEM

IMMUNE SYSTEM....Cont'd frim p. 5, col 3

Gastrointestinal Disorders

- constipation
- diarrhea
- vomiting

Hematologic Disorders

- bleeding
- bone marrow failure
- low - red blood cells (anemia),
white blood cells, platelets

Ocular Diseases

- corneal lipid deposits
- corneal ulceration
- uveitis
- keratoconjunctivitis sicca or "dry eye"
- infections of eyelid glands (Meibomian gland)
- Vogt-Koyanagi-Harada syndrome

Other Associated Disorders

- IgA deficiency
- loss of smell (dysosmia)
- loss of taste
- glycosuria
- chronic active hepatitis
- other endocrinopathies
 - adrenal
 - pancreatic
 - parathyroid

...AND WHEN DID YOU BECOME A MEMBER?

The Board is considering ways of honoring individuals who have been continuous members for twenty five years and longer. Unfortunately the records of when everyone joined have become scattered with time and are no longer immediately available. We would like for everyone who has joined the club prior to the time we began keeping computer records (2000) to send, either by snail mail or by email, your most recent date of joining to Carole Weinberger at the following addresses.

Thank you very much!

Carole Weinberger

5897 Buford St

Orlando, Florida 32835

or bandsmanamsc@earthlink.net

2007 Outstanding Sportsmanship Nomination AMSC

Any member in good standing may nominate any other member in good standing. Please write a brief essay explaining why the nominee should be awarded the Outstanding Sportsmanship award. Please reference specific incidents.

The AKC Code of Sportsmanship will be used as a basis for deciding the winner. The awards committee will review each nomination and decide on the winner. The award will be presented at the Annual Dinner.

Nominator _____

Nominee _____

I believe the nominee is an Outstanding Sportsman because:

Please attach another sheet if needed.

Mail to:
Susi Atherton
76535 Florida Ave
Palm Desert CA 92211-7727

All entries must be postmarked on or before August 27, 2007

2007 SLATE OF OFFICERS AND BOARD

The Nominating Committee, Susi Atherton, Marilyn Cooper, Terrie Houck and Tom LaSalle are pleased and proud to present the report of the nominating committee for publishing in AMSCOPE and inclusion in the agenda for the Board Meeting in Long Beach, CA in June 22, 2007.

Officers - 2008

John Constantine - President

Carole Weinberger - Vice President

Sharon Edwards - Treasurer

Amy Gordon - Secretary

Don Farley - AKC Delegate

Board Members - Class of 2011

Wyoma Clouss

Penny Hirstein

Vera Potiker

Bev Verna

BLACK RIBBONS

Jo-Mi's B-Selective O'Sandcastle

Ch. Atreides Belgar's Caducean X Ch. Sandcastle's Silver Slippers

May 28, 1995 - May 19, 2007

"Sophie"

Sophie was my constant companion. She was forever by my side through my 10 year progression with Multiple Sclerosis. She seemed to adapt to each situation better than I did. She taught me love, patience and tolerance when I couldn't deal anymore. The solace I find in my grief and tears is that I will one day hold her in my arms again. She will be forever loved and missed by me and her shadow, Sara

Sheila Cairns

HEAD START FOR MONTGOMERY!

Hotels (accepting dogs):

Holiday Inn (AMSC Headquarters)

432 Pennsylvania Ave.

Fort Washington, PA 19034

(215)643-3000

This hotel is the most central. It is located 15 minutes from the new MCKC site in Blue Bell.

\$89 + tax Single or Double, mention American Miniature Schnauzer Club
Make reservations before 9/13/05

Holiday Inn Express

120 N. Pottstown Pike (Rt. 100)

Exton, PA 19341

(610)524-9000

(800)906-6672 (reservations)

This hotel is closest to Devon DSA in Ludwig's Corner, about 15 minutes away.

Red Roof Inn

3100 Lincoln Hwy

Langhorne, PA

(215) 244-9422

With regard to the Holiday Inn, Fort Washington, I think they have "officially" changed their name to:

Fort Washington Hotel & Conference Center
The rate is \$95.00 plus room tax of 8%. They are also charging a flat fee of \$25 for allowing dogs in the room. The address is 432 Pennsylvania Avenue, Fort Washington, PA. 19034. Our contact person is Pam Welsh.

Reservation cut-off date is September 2, 2007.

Hotels (not accepting dogs)

Holiday Inn

260 Mall Blvd

King Of Prussia, PA 19406

610-265-7500

Best Western Inn

285 Commerce Dr

Fort Washington, PA 19034

215-542-7930

Hotels for Morris & Essex KC on Thursday 10/6/05 in Northern NJ (accepting dogs)

(Morris & Essex is about 45 - 75 minutes from Hatboro, and 90 - 105 minutes from Holiday Inn Fort Washington. There is also very heavy rush hour traffic due to proximity to NYC. So I have listed these hotels if you want to stay closer to the M&E show)

Holiday Inn

195 Davidson Ave

Somerset, NJ 08873

732-356-1700

Holiday Inn

4701 Stelton Road

South Plainfield, NJ 07080

908-753-5500

Red Roof Inn

860 New Durham Road

Edison, NJ 08817

732-248-9300

Rooms have been reserved at the Fort Washington Hotel and Conference Center under the name of the American Miniature Schnauzer Club. Hotel contact person is Pam Welch.

Since the Fort Washington Hotel & Convention Center is the AMSC headquarters for Montgomery County, I wanted to give everyone a "heads-up" on room availability. Also, the rate is \$95.00 per night plus room tax (currently 8%). Reservation cut-off date is September 22, 2007.

October 2, 2007

5 king rooms

10 double rooms

October 3, 2007

10 king rooms

10 double rooms

October 4, 2007

15 king rooms

15 double rooms

October 6, 2007

15 king rooms

15 double rooms

October 7, 2007

10 king rooms

10 double rooms

October 8, 2007 - check out

As far as other hotels in the area, no one has published a premium lists for Montgomery County yet - I'm not able to ascertain which hotels are going to be available. I know that the Red Roof Inn is a dog-friendly hotel. But it would be helpful to see the list of approved hotels.

Friday, October 5, 2007

6:00 p.m.

Board meeting (coffee, tea and hot/cold appetizers served) - Upper Dublin Room of Fort Washington Hotel & Conference Center

Saturday, October 6, 2007

6:30 p.m.

**Annual Banquet - Montgomery Room of Fort Washington Hotel & Conference Center
No Host Bar**

Hot/Cold Appetizers (to include Shrimp Skewers [tempura batter] and Chicken Quesadillas

Dinner Buffet to include:

Salad Bar

Hand-Carved Roast Round of Beef

Chicken Francaise

Baked Haddock

Oven Roasted Potatoes

Fresh Broccoli

Honey Glazed Carrots

Rolls and Butter

Coffee, Tea (hot and iced)

Sundae Bar (make your own)

Price: \$37.00

Bouquets & Biscuits

* **Am/Can. Ch. Dreamaker Ladykiller** (Am/Can. Ch. Dreamaker Regal Elegance x Am/Can. Ch. Dreamaker Oh I Dare Say) Born 18/09/04 completed the requirements for his US title on April 7th at the Salina KC show, Fort Worth Texas under judge Desmond Murphy. "Fabio" was bred and is owned by Ken & Elaine Allen.

* **Am/Can. Ch. Dreamaker Scarlet Reflection** (Am/Can. Ch. Dreamaker Elegant Reflection x Am/Can. Ch. Dreamaker Musical Ride) born 1/05/04 finished the requirements for her US title on March 8th at the Nashville KC show under judge James Reynolds. "Scarlet" was bred and is owned by Ken & Elaine Allen.

* **Carbor Talk of the Town AX AXJ NF** (Can CH Carbor On The Road Again x Can CH Boxdema Memory of Carbor) earned his AKC Nov B FAST title at the Williamsport Dog Training Club's agility trial on June 23. Spenser was bred by Carla Borrelli and is owned and handled by Judy Russell.

* **Can Ch. Wheelwood's Black Obsidian Am./Can. CD, AGI, AGNJ, JE, CGN, VAADC (AAC), FGDCh (NAFA), RNMCL (CARO)** earned her Canadian Junior Earthdog title on June 17, 2007. Raven was bred by Irmgard Wheeler and owns, loves and trains Andrea Walli.

* **Loneacre's Firecracker, RN, MX, MXJ**, a/k/a Connor, (Ch. Int'l Ch. Dimension's Hot Pursuit, RN, UD x Ch Charmed I'm Sure) earned his first leg in Novice B Obedience, as well as his first leg in Advanced Rally at Companion DTC's Obedience Trial the weekend of March 24th. Connor also earned his MX Agility Title on April 15th. Connor was bred by Beth A. Santure, and is owned, loved and spoiled by Lynn Baitinger.

* **Am Can Ch Loneacre's Small Town Girl, RN, CDX**, a/k/a Morgan, (Ch Summerwynd Seventh Wonder II x Ch. Loneacre's Just My Style) earned her first Advanced Rally leg the same day as Connor! Morgan was bred by Beth A. Santure, and is owned, loved and spoiled by Lynn Baitinger.

* **Carlenas No Fear CD** "Isabelle" completed the requirements for her Rally Novice title on June 24, 2007 at the Deep Peninsula Dog Training Club Rally Trial. Owned and loved by Stephanie Davis-Rae

* **Ch. Sasquehanna I Am Your Love** (Int. Am. Pol. Ch. PIP'N That's My Story x Int. Pol. Ch. Sasquehanna Xara) finished at the Fargo-Moorhead Kennel Club Show on June 3. Lovi was bred in Poland by Margaret Supronowicz and was owner handled by Jan Taylor, PIP'N. This spirited black and silver bitch is the first AKC champion for her sire and dam.

* **CH. K-Lyn's PB's Lord Benson** (Syl-Jer's Rocky Sun N' Fire x K-Lyn's PB's Princess Sophia). Benson finished the requirements for his AKC title on May 25th at the Central Wyoming KC show. He was bred and owner-handled by Dr. Rod and Mrs. Laura Hartshorn.

* **Ch. Carine Them Their Eyes** completed his championship on May 19th at the Sunflower Kennel Club show in Gardner Ks. under Judge Peter Green with a 5 point major. "Bear" is the second champion for his sire Ch Daree's Notice Me and Dam Starbound Gabby's Gift. He was bred by and loved by Carolyn M. Carine.

* **Can.Ch.Minuteman Death Valley Days** finished his Canadian Championship title at the St. Andrews Kennel Club. "Sarge" is a group placer and the third of his litter to finish. He's the 7th Can.Ch. for his sire Am. Can.Ch.Minuteman No Fear ex third for Am.Can.Ch.Kaydees The Quick And The Dead. Owned by Nicole Bremner and Catherine McMillan, bred by Catherine McMillan

* **Southcross Christmas Star UDX** (CH Diimensions Hot Pursuit UD x CH Southcross Yellow Brick Road UD) completed the requirements for her Utility Dog Excellent(UDX) title at the Obedience Trial in Eau Claire, Wisconsin, on March 31, 2007. "Chrissy" is owned, trained and exhibited by Louise Botko, Minneapolis, Minnesota, and was bred by Sonny Lelle, Austin, Texas.

* **OTCh / MACH Southcross Rocky Road, UDX, RE** (S/P by Ch. Classic Midnight Cowboy X Ch. & Int'l Ch. Southcross Yellow Brick Road, UD) **IS THE FIRST IN BREED HISTORY TO HAVE ACHIEVED THE OTCh and MACH titles!!!!!!** Rocky attained the final points for his OTCh at the Northeast Arkansas Dog Training Club's trial on April 29th. Additionally, he is just points away from attaining his MACH2! His ecstatic and adoring owner/handler Clay Lincoln says, "He's one cool dog!" Rocky's elated and proud breeder is Sonny Lelle. Rocky's littermates are Ch. Southcross Road To Independence, CDX, RA, MXJ and Ch. Southcross Tru Road to PR Chance.

* **Britmor High Flyer, RE**, "Ace" (Britmor Fly Boy, RA MX MXJ ME x Britmor Molly Molasses) finished his Rally Advanced Excellent title at the Cambridge MN Kennel Club Rally Trial on 5/11/07 with a 4th Place in the Advanced B portion of his final leg. Ace was bred, owned, and handled by Karen Brittan.

* **Am/Can Ch. Audigny Alto Yvana** (Am/Can. Ruedesheim's Testify x Can Ch Audigny Nouvelle Vague) completed his US title at the Garden State Terrier on May 4, 2007. He finished in 3 week ends including 2 Grp2 and until his US title, he never lost. In Canada, Alto won 13 points in the same week end to finished his canadian title, with 2 Best Puppy in Show, 1 Grp1 and 2 Grp2. Alto was bred and owned by Danielle Joncas and Yvan Methot.

BLACK RIBBONS

MACH Britmor Bewitched, CD, JE,

Triple Superior Novice, Novice Versatility, 1000 Point Award, O-NJC-V, S-TN-N, O-WV-N, TG-N, OGC-V, S-TN-O, WV-O, EAC-V, O-EJC-V, AMSC-VA, CGC

(Ch. Britmor Tagalong, CD x Callery's MsAusten Bailey)

February 2, 1992 – May 26, 2007

I doubt if there will ever be another dog with as much heart as Witch. Daughter Katie began training her at the age of seven, and started competing with her at the age of eight. Witch had her CD, AX, AXJ, NAC, and NJC titles when a dislocated hip required a femoral head and neck ostectomy when she was nine. Less than ten weeks later and Witch ran her first agility course again, and four months after that she was back in competition with a vengeance at the age of ten. Her MACH was achieved at the age of 12 years, 11 months, and 7 days, and her final title earned was her Superior Open Tunnelers on 9/3/05 at the age of 13 years, 7 months, and 1 day. Witch competed in three AKC Agility Championships and in three NADAC Championships, and she placed FIRST among the double-digit dogs (10 yrs. and up) at the 2004 NADAC Championships.

Witch will be forever remembered here at Britmor and she will continue to live on through her descendants. What a TRIP she gave us over the years!

**2007 AMSC Montgomery County KC Specialty
DVD PRE-ORDER FORM**

- 1) Complete SHIP TO Information (Please print clearly).
- 2) Include a cashier's Check or money Order (US Funds) made out to AMSC.
- 3) Orders postmarked after October 5, 2007, please add \$10/set ordered

YOUR ORDER:

(Orders postmarked after October 5, 2007, please add \$10/set ordered)

USA shipping address.....\$50.00 (includes shipping)
 Canada, Mexico \$55.00 (includes shipping)
 Foreign\$65.00 (includes shipping)

SHIP TO INFORMATION (Print Clearly)

DVD Sets ordered (USA Mailing) _____ X \$50.00 \$ _____
 DVD Sets ordered (Canada, Mexico) _____ X \$55.00 \$ _____
 DVD Sets ordered (Foreign) _____ X \$65.00 \$ _____

NAME: _____

ALL AMOUNTS NEED TO BE SENT IN US DOLLARS

ADDRESS: _____

Please mail to:
 John Constantine
 1 Independence Place, #301
 241 S. 6th St.
 Philadelphia, PA 19106

CITY/STATE/ZIP: _____

COUNTRY: _____

SPECIALTY WINS

**Centennial State MSC
Sweeps (1-2)**

Judge: Mary Paisley

Best in Sweeps... Katcha's Crocodile Rock/Dodge
 BOS in Sweeps..Good to Go of Hansenhaus/
 Hansen

Regular Class (5-11-5-1)

Judge: Raymond Bay

WD/BOW ...T-Lan's Carmel Superman/Riley/
 Wallace/Kallett
 RWD..Mtn Rose Beauregard Rising Son/Bashor/
 Clack
 WB ...Fortune Cookie of Hansenhaus/Hansen
 RWB...T-Lan's Heartsong/Riley/Wallace
 BOS...CH Tegas Beentheredone that/Powell/
 Connelly/Talbert
 BOB..CH Paradox How Do You Like Me Now/
 Donnelly/Vaske

Paul Revere MSC

Sweeps

Judge: Tom LaSalle

Best in Sweeps... Markworth Whistle-Jacket/
 Marks
 BOS in Sweeps..Garnet Rock Just Shirley/France

Regular Class (7-10-2-0)

Judge: John Constantine

WD ...Markworth Whistle-Jacket/Marks
 RWD..Debessiere Sir Shogun/Vaillancourt
 WB/BOW/BOB... .Canton LaCaliffa/Gosselin
 RWB...Bravo's Big Bang/Ericsson/Hills

**Greater Columbus MSC
Sweeps (1-4)**

Judge: Pamela Foulk

Best in Sweeps... Jacqueminot Jannell/Coffman
 BOS in Sweeps..Char N'Co I Am Your
 Boogieman/Stukey

Regular Class (3-6-2-0)

Judge: Joan Kefeli

WD/BOW ...Char N'Co I Am Your Boogieman/
 Stukey
 WB/BOS ...Jacqueminot Just Enough/Coffman
 RWB...Wards Creek's Fashion Princess/
 Schnatzer
 BOB..CH Gentry Cattivo Nicola/Contrino/Kniola

Myotonia congenita Registry Submission Application

Instructions:

Please complete this application and attach a good quality photocopy of the dog's myotonia test certificate and a copy of the dog's pedigree. The DNA results with certificate number, registration number and name, and owner name must be legible. separate application for each dog. A dog's listing in this registry is permanent regardless of transfer of ownership. All owners of the dog on the date of application must sign this form.

Dog Registered Name : _____

Dog Registration Number : _____

Owner Name/Address: _____

Tele: _____

This request has been prepared by _____
 (print owner name)

with the full consent of all owners of the dog on the date of submission. All owners request this dog's DNA test result be listed in the AMSC Myotonia congenita Registry.

Signature of owner: _____ Date: _____

Co-owner signature _____ Co-owner name (please print) _____

Co-owner signature _____ Co-owner name (please print) _____

SEND TO:
Errolyn Martin
5830 Phillips Drive
Cummings, GA 30040

MEANWHILE AT THE SHOWS

SHOW	DATE	DOG	OWNER	WIN
Western PA KC	1-Apr	Jacqueminot Just Enough	Coffman	WB,BOS
Hutchinson KC	6-Apr	Gangway's Miguelos Mariposa	Brown/Orozco	WB/BOW
Salina KC	7-Apr	Ch. Gangway's Miguelos Magnifico	Brown/Orozco	BOB
Salina KC	7-Apr	Savanna's Dust Busta	Bessemer	WB,BOW,BOS
Northern CA Terrier Specialty	12-Apr	Dreamaker Supernatural Twist	Allen/Stewart	WD
Harrisburg KC	14-Apr	Ch. Sumerwynd Stiff Competition	Bogart/Weinberger	BOB
Sacramento KC	15-Apr	Dreamaker Supernatural Twist	Allen/Stewart	WD,BOW
Shreveport KC	20-Apr	Axcium's Superfly	Haakenen/Brown/Orozco	WD,BOW,BOS
Springfield KC	20-Apr	Ch. Sumerwynd Stiff Competition	Bogart/Weinberger	BOB, Gr.2
D'Arbonne KC	22-Apr	Ch. Gangway's Miguelos Magnifico	Brown/Orozco	BOS
S Windsor KC	22-Apr	Ch. Sumerwynd Stiff Competition	Bogart/Weinberger	BOB
Central Ohio KC	22-Apr	Jacqueminot Just Enough	Coffman	WB,BOS
Licking River KC	23-Apr	Jacqueminot Jannell	Coffman	WB,BOS
Big Spring KC	28-Apr	Ch. Gangway's Miguelos Magnifico	Brown/Orozco	BOS
Tri State KC	28-Apr	Ch. Alpine Loft Carmel Gluhwein	Child	BOB, Gr.3
Fort St Clair KC	28-Apr	Jacqueminot Jannell	Coffman	WB,BOW,BOB
Fort St Clair	29-Apr	Jacqueminot Just Enough	Coffman	WB,BOS
Bartlesville KC	29-Apr	Ch. Alpine Loft Carmel Gluhwein	Child	BOB, Gr.2
Big Spring KC	29-Apr	Ch. Gangway's Miguelos Magnifico	Brown/Orozco	BOS
Seaway KC	4-May	Can Ch. Evalill Esset	Monsen	BOB
Seaway KC	4-May	Carbor Smoke and Mirrors	Borrelli	WD,BOW,BP
Seaway KC	5-May	Can Ch. Evalill Esset	Monsen	BOS
Crawford Cty KC	5-May	Jacqueminot Jaguar, XJ	Coffman	WD,BOS
Seaway KC	6-May	Can Ch. Evalill Esset	Monsen	BOS
Crawford Cty KC	6-May	Jacqueminot Jaguar, XJ	Coffman	WD,BOS
Rio Grande KC	12-May	K-Lyn's PB's Lord Benson	Hartshorn	WD,BOW,BOS
Ravenna KC	12-May	Jacqueminot Jaguar, XJ	Coffman	WD,BOW,BOB
Ravenna KC	12-May	Jacqueminot Jannell	Coffman	WB,BOS
Rio Grande KC	13-May	K-Lyn's PB's Lord Benson	Hartshorn	WD,BOS
Ravenna KC	13-May	Jacqueminot Jannell	Coffman	WB,BOS
Ravenna KC	13-May	Jacqueminot Jaguar, XJ	Coffman	WD
Rio Grande KC	13-May	K-Lyn's Suri One Time	Hughes/Wrynsinski	WB,BOW
Sunflower KC of Olathe KS	18-May	Ch. PIP'N Dress Up Doll	Taylor	BOB
Rogue Valley KC	19-May	Ch. Alpine Loft Carmel Gluhwein	Child	BOB
Sunflower KC of Olathe KS	19-May	Ch. PIP'N Dress Up Doll	Taylor	BOB
St. Claireville KC	19-May	Jacqueminot Jaguar, XJ	Coffman	WD,BOW,BOB
St. Claireville KC	19-May	Jacqueminot Jannell	Coffman	WB,BOS
Jackson TN DFA	20-May	Max Postscript Whole Enchillada	Mackle/Steele	WD,BOS
Rogue Valley KC	20-May	Ch. Alpine Loft Carmel Gluhwein	Child	BOB
St. Claireville KC	20-May	Jacqueminot Jannell	Coffman	WB,BOS
St. Claireville Ohio KC	20-May	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Central Wyoming KC	25-May	K-Lyn's PB's Lord Benson	Hartshorn	WD,BOW
Central Wyoming KC	25-May	K-Lyn's Suri One Time	Hughes/Wrynsinski	WB,BOS
Muskogee KC	25-May	Sasquehanna I Am Your Love	Taylor	WB,BOW
Butler Cty KC	26-May	Jacqueminot Jaguar, XJ	Coffman	WD,BOW
Butler Cty KC	26-May	Jacqueminot Jannell	Coffman	WB,BOS
Central Wyoming KC	26-May	Ch. Alpine Loft Carmel Gluhwein	Child	BOB
Central Wyoming KC	26-May	K-Lyn's Suri One Time	Hughes/Wrynsinski	WB,BOS
Muskogee KC	26-May	Sasquehanna I Am Your Love	Taylor	WB
Oakridge KC	26-May	Max Postscript Whole Enchillada	Mackle/Steele	BP Gr.3
Kalamazoo KC	27-May	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Oakridge KC	27-May	Max Postscript Whole Enchillada	Mackle/Steele	WD,BOS
Greater Muskegan KC	28-May	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Laramie KC	28-May	K-Lyn's Suri One Time	Hughes/Wrynsinski	BBBE Gr.2
Erie Shores KC	1-Jun	Carbor Prim and Proper	Borrelli	WB,BOW,BOS,BPGr.1
Erie Shores KC	2-Jun	Carbor Prim and Proper	Borrelli	WB,BOW,BOS,BPGr.1
Ladies DC	2-Jun	Markworth Whistle-Jacket	Marks	WD
Erie Shores KC	3-Jun	Handiapil Guilty Pleasures	Perry/Borrelli	WB,BOS
Erie Shores KC	3-Jun	Carbor Fine and Dandy	Borrelli	WD,BOW,BP
Erie Shores KC	3-Jun	Can Ch. Evalill Esset	Monsen	BOB,Gr.1
Fargo-Moorhead KC	3-Jun	Sasquehanna I Am Your Love	Taylor	WB
Colorado Springs KC	9-Jun	Ch. Alpine Loft Carmel Gluhwein	Child	BOB,Gr.4
Paducah KC	9-Jun	Max Postscript Whole Enchillada	Mackle/Steele	WD,BOW
Paducah KC	10-Jun	Max Postscript Whole Enchillada	Mackle/Steele	WD
Conewango VKC	15-Jun	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Conewango VKC	16-Jun	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Longshore Southport KC	17-Jun	Markworth Whistle-Jacket	Marks	WD,BOW,BOB
Jackson TN DFA	19-Jun	Max Postscript Whole Enchillada	Mackle/Steele	WD,BOW,BOB,BP Gr.1

PLEASE...send in your wins in a timely fashion so that we are not advertising old news....

NEW SHIRT

Ladies V-Neck \$30. plus \$5.00 postage

Beige with Navy neck and sleeve trim
SIZES: SMALL, MEDIUM, LARGE, XL, XXL

MEN'S 3-BUTTON SPORT SHIRT

Beige with contrasting collar and sleeve trim \$35 plus \$5.00 postage
SIZES: Medium, Large, XL, XXL

MEN'S 3-BUTTON SPORT SHIRT

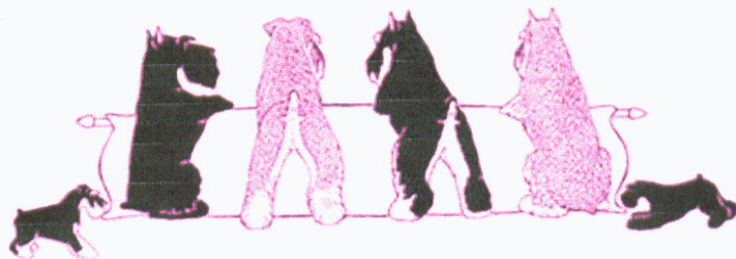
NAVY WITH POCKET \$35. plus \$5.00 postage
SIZES: MEDIUM, LARGE, XL, XXL

SWEATSHIRT in STEEL BLUE \$40. plus \$5.00 postage

SIZES: SMALL, MEDIUM, LARGE, XL, XXL



FRONT



BACK

Lori Bush



This beautiful colorful woven 100% cotton afghan of Miniature Schnauzers in a garden setting will be a keepsake. Black, Salt/Pepper and Black/Silver Minis are at home on green grass with colorful shrubs, trees and flowers in the background.

Lori Bush and Mildred Shultz collaborated with the artist at We Love Country on this very unique design.

\$65. Plus \$5. Shipping

NEW

APRONS

red or grey

\$20. plus postage



NEW GYM BAGS

water-resistant fabric
outside and end pockets

bright red color

\$40. plus postage

NOTE
...new address

ORDER FORM

ITEM	SIZE	QUANTITY	PRICE EACH	TOTAL
Ladies	_____	_____	@\$30.00	= \$ _____
MEN'S	_____	_____	@\$35.00	= \$ _____
MEN'S/POCKET	_____	_____	@\$35.00	= \$ _____
SWEATSHIRT	_____	_____	@\$40.00	= \$ _____
AFGHAN	_____	_____	@\$65.00	= \$ _____
GARMENT BAG	_____	_____	@\$40.00	= \$ _____
GYM BAG	_____	_____	@\$40.00	= \$ _____
APRON	_____	_____	@\$20.00	= \$ _____
TOTAL POSTAGE				\$ _____
TOTAL ENCLOSED				\$ _____

Make checks payable to
AMSC

Send order to:
Carla Nickerson
5499 Shoshoni Trail
Pocatello, ID 83204-4609
208-232-4191
nicknack2@cableone.net

Shipping to US \$5.00
Shipping to Canada \$7.00 (US)
Shipping Overseas \$15.00 (US)

Montgomery Cty SPECIALTY ADVERTISING

RATES : Full Page \$70.00
Half Page \$40.00

Photos \$10.00 each
Please mark your name and
address on back of photo

AD NO.

Ad Deadline: August 10, 2007

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Carla M. Borrelli, Editor
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Derby, NY 14047-9729

UPCOMING SPECIALTIES

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Regular Classes: Carolyn Taylor
Sweepstakes: Mary Paisley

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AMSC SPECIALTIES

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FOR YOUR CONVENIENCE: The following information is given to help conduct AMSC business more efficiently. Please remember that the Secretary and the AMSCOPE editor should **BOTH** be notified of address changes, club officers and specialty results.

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