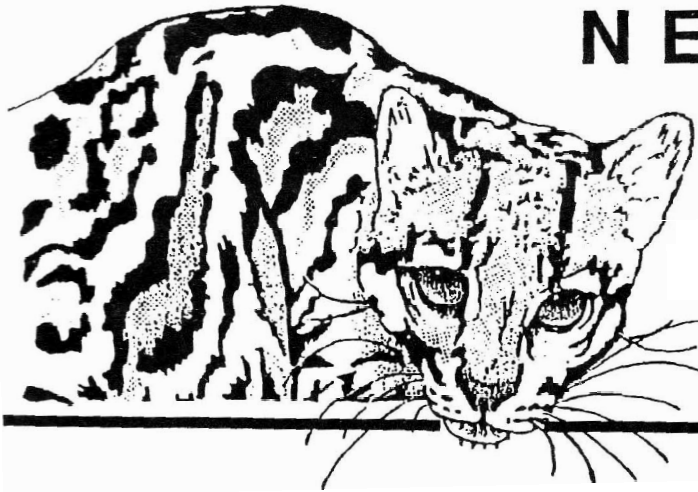


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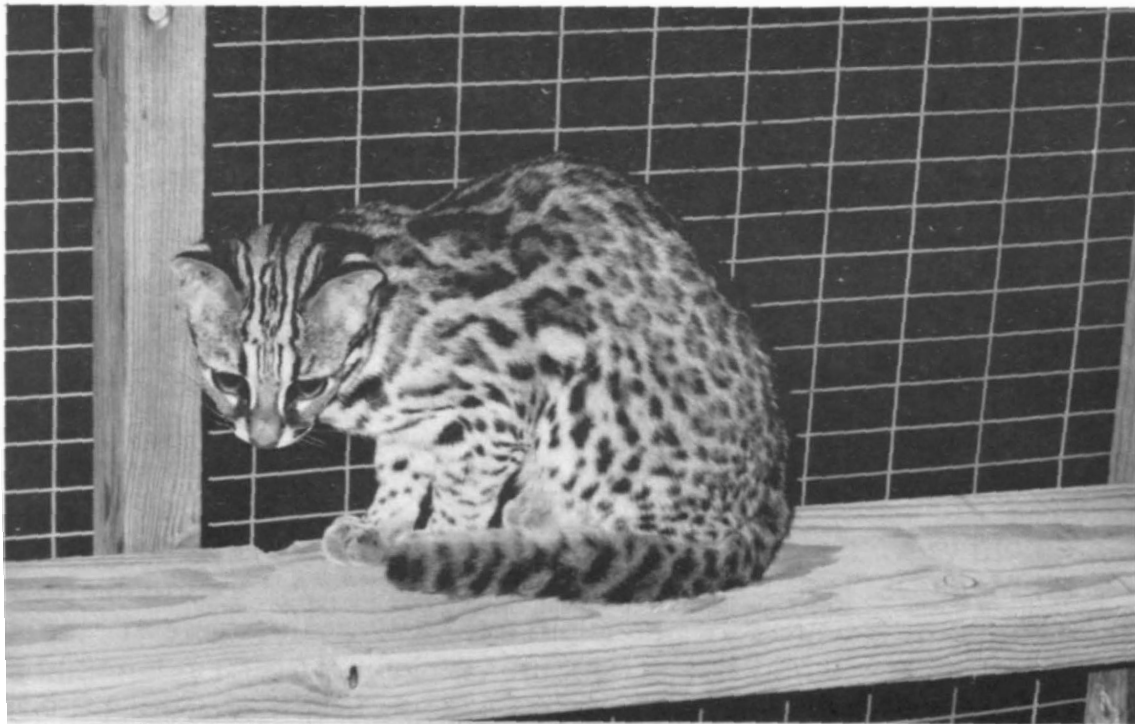
Volume 39, Issue Number 1 - January/February 1995



# NEWSLETTER

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The Wallace Havens of Sun Prairie, Wisconsin, share their home with this leopard cat. More on Page 14



# LIOC

## *Endangered Species Conservation Federation, Inc.*

This Newsletter is published bi-monthly by the LIOC Endangered Species Conservation Federation, Inc. We are a non-profit (Federal I.D. 59-2048618) non-commercial organization with international membership, devoted to the welfare of exotic felines. The purpose of this newsletter is to present information about exotic feline conservation, management and ownership to our members.

The material printed in this newsletter is contributed by our members and reflects the point of view of the author but does not necessarily represent the point of view of the organization. LIOC ESCF, Inc.'s Statement of Intent is contained in our by-laws, a copy of which can be requested from the Secretary. Reproduction of the material in this newsletter may not be made without the written permission of the original copyright owners and/or copyright owner LIOC.

Persons interested in joining LIOC should contact the Term Director in charge of Member Services.

Since the Newsletter consists primarily of articles, studies, photographs and artwork contributed by our members, we encourage all members to submit material whenever possible. Articles concerning exotic feline are preferred and gladly accepted. Articles involving other related subject will also be considered. Letters and responses to articles may be included in the Readers Write column. Please submit all material to the Managing Editor.

**Founder:** Catherine Cisin Amaganasett, N.Y. 11930

**Editor:** Shirley Wagner 3730 Belle Isle Ln, Mobile, AL 36619 (334) 661-1342 nites, (334) 433-5418 days  
Fax (334) 433-5422

### Officers

<b>President</b>	Ken Hatfield	1260 N.W. Perimeter Rd., Troutdale, OR 97060 (503) 668-8628
<b>Vice President</b>	Barbara Wilton	7800 S.E. Luther Rd. Portland, OR 97206 (503) 774-1657
<b>Secretary/Treasurer</b>	Sharon Roe	29641 N.E. Timmen Rd., Ridgefield, WA 98642 (206) 887-8563

### Term Directors

<b>Member Services</b>	Kelly Jean Buckley	P.O. Box 22085, Phoenix, AZ 85028 (602) 996-5935
<b>Education &amp; Conservation</b>	Scarlett Bellingham	P.O. Box 722, Niverville, Ont. ROA 1E0, Canada (204) 388-4845
<b>Legal Affairs</b>	George Stowers	8 Meadowhill Dr., Farmingdale, ME 04344 (207) 622-9201
<b>Advertising &amp; Publicity</b>	Jean Hamil	31307 Debbi, Magnolia, TX 77355 (713) 356-2076

### Life Directors

J.B. Anderson	Rt 4, Box 2190, Lake Rd. 54-37, Osage Beach, MO 65065 (314) 348-5092
Carin C. Sousa	2960 Bay St., Gulf Breeze, FL (904) 932-6383
John Perry	6684 Central Ave. N.E., Fridley, MN 55432 (612) 571-7918 nites (612) 481-2673 days
Shirley Wagner	3730 Belle Isle Ln, Mobile, AL 36619 (334) 433-5418 days 661-1342 nites Fax: (334) 433-5422

### Branches

#### Exotic Feline

<b>Educational Society</b>	Larry Torland	10809 N.E. 232nd Ave., Vancouver, WA
<b>Pacific Northwest Exotics</b>	Gayle Schaecher	P.O. Box 205, Gresham, OR 97030 (503) 663-4673
<b>Sunshine State Exotics</b>	David Cassalia	P.O. Box 7113, Hollywood, FL 33081-1113 (305) 966-0406

### Regional Contacts

<b>Northeast</b>	George Stowers	8 Meadowhill Dr., Farmingdale, ME 04344 (207) 622-9201
<b>Southeast</b>	Jean Hatfield	1991 S.W. 136th Ave., Davie, FL 33325 (305) 472-7276
<b>Central</b>	J.B. Anderson	Rt 4, Box 2190, Lake Rd. 54-37, Osage Beach, MO 65065 (314) 348-5092
<b>Northwest</b>	See Branches	
<b>Southwest</b>	Loreon Vigne	20889 Geyserville Ave., Geyserville, CA 95441 (707) 857-3524
<b>Canada</b>	Scarlett Bellingham	P.O. Box 722, Niverville, Manitoba ROA1E0, Canada (204) 388-4845

***LIOC needs YOU!***

LOCATION LOCATION LOCATION  
COLORADO SPRINGS,  
COLORADO  
LIOC CONVENTION  
August 16-20, 1995

Come One, Come All and join the Phantom Host for a vacation in Paradise! Colorado Springs, one of the most beautiful cities in the United States, has an elevation of 6,035 feet above sea level. The average low/high temperatures in August are 56/82(F)...purr-fect mountain fresh air. Colorado Springs sports mountain foothills and there is a possibility the aspen trees will be dressed in their fall colors. You will see the entire front range of the Rocky Mountains. They seem so close, it's as if you could reach out and touch them.

We will be staying at the Embassy Suites Hotel. The Embassy Suites offers a wonderful environment with four floors containing 207 two-room suites, a tropical atrium filled with plants and fountains and all suites opening onto the atrium. The suites include a bedroom with a separate living room, two TVs, two telephones, a wet bar, refrigerator, coffee maker and microwave.

In addition, there is a free, cooked-to-order breakfast every morning, and complimentary beverages each evening from 5:30-7:30pm in the atrium area. The rooms are \$89.00 a night and a third person in a room is an additional \$10.00 per night. August is the prime season in Colorado Springs because of its great weather. To guarantee a room, hurry to your phone and call 1-800-362-2779 and make your reservations.

Look in the next newsletter for more exciting information of our day trip activities during the convention.

Respectfully submitted by "The Phantom"

# Prey Capture Behavior of the Clouded Leopard

## Part VI

By Ron Eldridge, BVS

Cats are the most specialized living carnivores. Like all cats, the clouded leopard must be able to catch enough food to survive. Generally, the clouded leopard will eat no prey larger than their own body size and as with most cats, the clouded leopard is mostly a solitary and opportunistic hunter.

Most small cats have two main hunting strategies. First, the mobile (M) strategy involving movement by the cat towards the prey. An example would be the leopard patrolling its home range until prey is encountered. The second method is the stationary (S) strategy involving prey moving towards the leopard waiting in ambush. It then will leap from its ambush position and pounce upon its unsuspecting prey.

Clouded leopards are partially diurnal. Recent field studies also indicate that this cat is a most versatile hunter. It will hunt on the ground, in the trees and, even in the water.

In the trees the clouded leopard, like the margay (*Felis wiedii*) has an anatomical adaptation which allows the cat to hang upside-down by its feet and rotate the back feet (ankles) 180 degrees. It can also run upside-down on the branches of trees. This very special adaptation allows the cat to use their acrobatic feats to strike out in every direction. Birds and monkeys who are

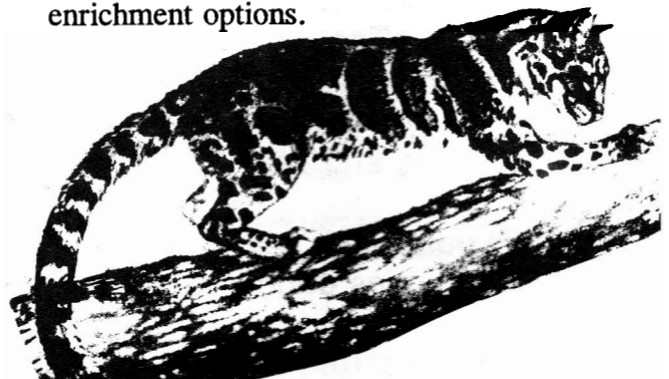
usually safe in trees are at great risk when the clouded leopard is in the hunting mode. Before dining on its prey, the clouded leopard will pluck off the feathers of a bird and lick off the fur of the monkey. This behavior is characteristic of many felines including the domestic cat (*Felis catus*).

Proportionally longer than wild cats of similar size, the canines of the clouded leopard measure up to two (2) inches long. Many biologists consider this an adaptation to killing and securing their prey. When hunting on the ground using the (M) hunting strategy, these long canines are used to inflict a lethal bite to the spine of the thick-skinned wild pigs of the Borneo.

These long canines are very similar to the canines of the extinct saber-tooth tiger. The reason why the clouded leopard has its own genus : *neofelis*, is because of these long canines.

Clouded leopards can also swim. They have been observed "dog paddling" through the mangroves in pursuit of the wild pig. It can even catch fish with its strong, swift paws!

As stated at the beginning of this six-part series, little is known about the wild clouded leopard's behavior. Shy and rare, this elusive member of the cat family represents a challenge to any researcher. It is hoped that the information provided to you over the past year will assist you in your interpretation programs and behavior enrichment options.



# Pampas Cat: How Many Species?

By Rosa Garcia Perez

Felids have engendered considerable systemic controversy and the pampas cat (*Felis colocolo*) is no exception. The cause of the problem is the same as for other cats: scarcity of specimen-based research in the last 50 years. Moreover, data published during the last century and the first half of the 20th century are based on few specimens, old-fashioned methodologies, and evolutionary concepts currently surpassed. For these reasons, modern revisions of certain problematic groups would be desirable.

I found some unusual patterns of variation within the populations identified as *F. colocolo* while conducting a phylogenetic study on the living species of felids. An examination of the 96 available museum specimens reveals that this assemblage consists of three closely-related species. Their diagnostic characters and geographic distributions (Fig 1) are the subject

of a still unpublished monograph, and are summarized below.

I began my evaluation of morphological variation using 176 qualitative characters of the cranium, mandible, teeth, and coat pattern, developed for comparisons among living species of felids worldwide. However, only 12 characters showed variation in my sample. Five external and 10 cranial measurements were also recorded from adult specimens. I also examined phytogeographic and climatic characteristics of the localities (information mainly from Hueck and Seibert, 1972) to identify potential patterns of habitat preference.

Analysis of spotting variability in my sample shows general patterns illustrated in fig. 2:

- Type 1 is characterized by oblique, rusty-cinnamon lines on the flanks; tail with four or five reddish rings; ventral markings rusty ochraceous, on a white background; feet cinnamon.
- Type 2 is characterized by reddish-brown rosettes on the flanks; tail ringed from base to tip; ventral markings are dark brown on a white background; feet similar to the ground color of the body (Type 2A). In specimens of Type 2B, it is possible to recognize this pattern, but body markings, tail rings and ground color are paler; ventral markings dark brown. Type 2C specimens are almost uniformly grayish, usually with no signs of dorsal spots or rings on body and tail; ventral markings dark brown.
- Specimens of Type 3A exhibit an almost uniform brown agouti color dorsally, with some traces of dark brown rosettes on the flanks; tail not ringed, black at the tip; throat white, becoming orangish behind the

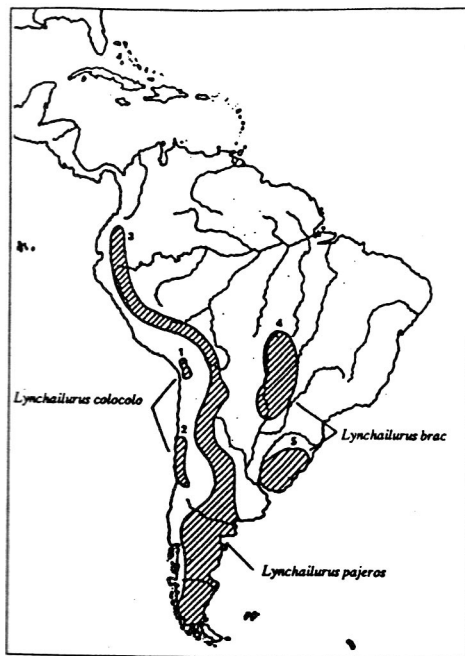


Fig. 1 - Approximate distribution of the three species of pampas cats

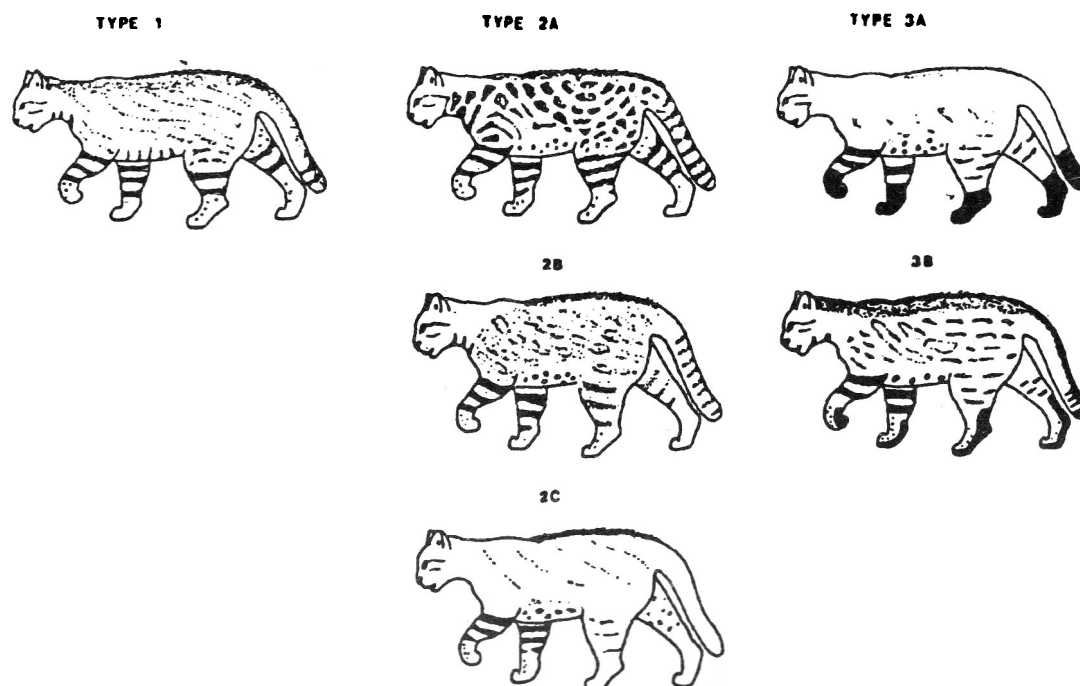


Fig. 2 – Variation of the coat pattern in the three species of pampas cats  
*L. colocolo*: Type 1 and type 2A. *L. pajeros*: Types 2A, 2B, and 2C. *L. braccatus*: Types 3A and 3B

Table. Summary of the characteristics of the three species of *Lynchañurus*

	COLOCOLO	PAJEROS	BRACCATUS
Ectotympanic	Large	Medium	Small
Mastoid process	Poorly developed posteriorly	Well developed posteriorly	Well developed posteriorly
Palate, notch for post-palatine vein	Wide	Wide	Narrow
Palate, posterior edge	No medial notch	Medial notch	Medial notch
Presence of type D of sagittal crest	Yes	No	No
Inferior oblique muscle fossa	On lacr/pal/max suture	On lacr/pal suture	On lacr/pal suture
Frequency of P2	Low	0	High
Shape of P3 paracone	Long, narrow	Long, narrow	Short, wide
Presence of parastyle on P3	No	No	Yes
Frequency of presence of P4 protocone	75%	83%	80%
Lingual cusp on lower canine	No	Yes, very low frequency	Yes, high frequency
Coat pattern	Types 1, 2A	Type 2	Type 3
Body size	Large	Small to large	Medium
Distribution	N and C Chile	Ecuador, Peru, Bolivia, Argentina, S Chile	Brazil, Paraguay, Uruguay
Side of Andes	West	East	East
Habitat	N: Highland steppes C: Subtropical forest	Grass and shrub steppes, dry forests	Grass and shrub steppes, humid savannas, deciduous forests
Elevational range	N: 2,000-4,000 m C: 0-1800 m	0-5,000 m	0-793 m

first throat stripe, and overall other ventral surfaces; feet dorsally and ventrally black, including wrists and ankles. In Type 3B, ground color is more yellowish on back and flanks; spots on flanks are more conspicuous than in Type 3A; feet are black only on palmar and plantar surfaces; black tip of tail is less extensive.

For Type 2 pattern, I found a gradation (A-C) in the level of expression of markings related to latitude and elevation. Specimens from the northern parts of the distribution (Ecuador, Peru) have the Type 2A, while specimens inhabiting the southern parts (central and south Argentina, south Chile) show the Type 2C. I found Type 2B only in the area between 22 and 39 degrees south latitude, where specimens of pattern Types 2A and 2C also occur. This latitudinal range covers the transitional zone where distributions shift from highland steppe to lower elevation dry forest and shrubland.

Out of the 12 morphological characters showing variation, I found five distinguishing a "braccatus" group (see table). Although one can argue that the apparent allopatric distribution of these groups (Fig. 1) makes it difficult to decide whether they represent species or well-established subspecies, the level of differentiation relative to that seen in other felid groups recommends specific separation. This is specially true for the degree of development of ectotympanic bone (relevance of basicranial characters for systematic purposes in Carnivora is well known). The level of variation observed for this character within this group is totally unusual compared to the consistency observed in other felid species, clearly defining the three groups mentioned above. The level of geographic variation observed within the "pajeros" group, and the moderate variation shown within the "braccatus" and "colocolo" populations, suggest that

they have been genetically isolated for a long period. The extent of variation within each is comparable to that found between recognized subspecies in other felids. Further studies (e.g. molecular) are desirable to test the taxonomic hypotheses.

The three species are grouped in the genus "Lynchailurus" (Severtzov, 1858) on the basis of shared character states: presence of a spinal crest of long dark hairs that extend from behind the shoulders to the base of the tail; large anterior chamber of the bulla; ridges present on both sides of the upper canines; presence of several dark rings on front and hind legs.

The pampas cat has been incorrectly included in the genus *Oncifelis* by Wozencraft (1993). This author doubtless followed Allen (1919), but the species Allen had in mind as *Oncifelis colocolo* was actually *Oreailurus jacobitus* (Cornalia, 1965), the Andean mountain cat (Allen included *pajeros* and *braccatus* under *Lynchailurus*).

The new taxonomic arrangement is as follows for diagnostic characters, external morphology, and distribution of the three species, see table and figures).

*Lynchailurus pajeros* (Desmarest, 1816) occurs on high elevation steppes from Ecuador to Bolivia and Argentina (eastern slope of the Andes), and farther south in Argentina into lowland steppe, shrubland and dry forest habitats. Its southern limit is Patagonia (Argentinean and Chilean). Assigned subspecies are as follows: *L. pajeros budini* (Pocock, 1941, and *L.p. crespoi* (Cabrera, 1957), in northwestern Argentina; *L.p. crucina* (Thomas, 1901), in southern Argentina and Chile; *L.p. garleppi* (Matschi, 1912), in Peru; *L.p. pajeros* (Desmarest, 1816), in Central Argentina; *L.p. steinbachi*

(Pocock, 1941), in Bolivia; and L.p. thomasi (Lonnberg, 1913), in Ecuador.

*Lynchailurus braccatus* (Cope, 1889) is found in Brazil, Paraguay, and Uruguay, where it occupies humid and warmer grassland and forested areas at moderate elevations. Assigned subspecies: L.b. braccatus (Cope, 1889, in southwestern Brazil and Paraguay; and L.b. munciai (Ximenez, 1961), in Uruguay and southern Brazil. The form neumayeri (Matschie, 1912), based on one specimen supposedly collected in Mato Grosso (Brazil), is a synonym of *O. jacobitus* after Schwangarat, 1941; Mann, 1945; and K.

Symour (pers. comm.). These authors identified the specimen, suggesting that the locality in the label is wrong, because *jacobitus* inhabits only high altitude steppes of the Andes in Peru, Bolivia, Chile, and Argentina.

*Lynchailurus colocolo* (Molina, 1782) occurs in subtropical forests at middle elevations in central Chile, and in high elevation steppes in northern Chile on the western slopes of the Andes. This species may be endangered because its distribution is limited. Assigned subspecies: L.c. colocolo (Molina, 1782), in central Chile; and L.c. wolffschnei (Garcia-Perea, in press) in northern Chile.

Reprinted from *IUCN Cat News*

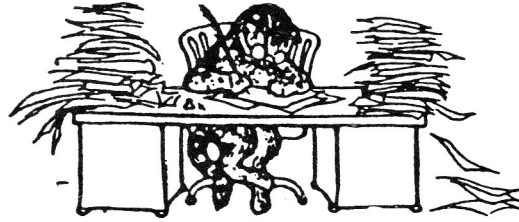
**Table. Current location, collection sites and measurements of all known bay cat specimens**

Current location of specimen	Collection site/Collector/Date	Age/Sex/Colour phase	Head and body (mm)	Tail (mm)	Hindfoot (mm)	Ear (mm)
BM(NH) Reg. No. 1856 9.19.16	Vicinity of Kuching, by A.R. Wallace c1855	Sub-adult male Red phase (skin in fragments)		385	115	
BM(NH) Reg. No. 1888 8.13.1	Baram River, by A.H.L. Everett 1888	Adult female Red phase	620 (from preserved skin)	380	115	
BM(NH) Reg.No. 1895 5.7.3	Entoyut River (tributary of Baram), by Charles Hose 1894	Adult male Grey phase	670 (from preserved skin)	330	135	30
Leiden Museum 1901 RMNH 25534	Upper Mahakkan River, by Dr Nieuwenhuis 1900	Adult female Red phase		320		
Sarawak Museum Cat.34.41	Baram low country 1891	Unknown Red phase				
Sarawak Museum Cat.34.61	Kuching 1928	Juvenile female	250	155	112	
Sarawak Museum Cat.34.92	Sarawak/Indonesia border 1992	Adult female Red phase	533	391	110	23
Field Museum FMNH 8378	Gunung Mulu 1898					
U.S. Nat Museum No. 198973	Dunglum H.C. Raven 1914	Male Grey phase				

BM(NH): The Natural History Museum, London



## *Guest Editorial*



The Nov/Dec Newsletter contained a letter from a member. The gentleman, 22 years old, has been a member for two years. He wrote about his interest and love for exotic cats. He told us about his 1992 convention experience, on the way there and at the convention itself. It did not seem positive. He is certainly not happy with the Newsletter. He wrote of the "gradual descent of LIOC into chaos." After telling us that some members might hate him for what he was about to write, he wrote of the few members that contribute to the organization. He lectured us on "effort and volunteerism". He offered to take over the Newsletter, guarantee a 32-page minimum, and to get it out on time. Finally, he stated that he will not belong to an organization "that is more involved with infighting and personal egos than working for the betterment of the cats."

That was some letter! That must have been some convention!! Perhaps the writer, just knows personally lots and lots of members. Every organization has its own type of politics and disagreement among members. I joined in the mid-70s, perhaps 15 years after LIOC was formed. Since we seem to have made it for some 30 years we can't be that bad.

Actually, there is much truth in what the writer states. However, because of the tone of the letter, much of what he states that is true will be disregarded by the

reader.

I am sure many of the members, as with myself, have full-time jobs. I teach ecology. Because of our interest in exotic cats and other wildlife, many of us spend time, one way or another, in pursuits that are beneficial for all wildlife, not just exotic cats. Some of us get involved in community and local issues of conservation and unwise development. Then, there are our animals that we choose to keep. They require time and work. Can you say "family"? Perhaps the majority of the membership have families. That too entails lots of time. Can you say "illness"? One day some of us get a very unpleasant surprise that sort of takes **priority** over many other things in our lives. The 22-year old writer will find that out as he gets older.

I would not be adverse to allowing the writer to produce the newsletter. However that is up to others. If this were to happen he would not be "putting his money where his mouth is", but he would be his time - lots and lots of time!!!

Now, on to other matters. Though at times teetering on the brink, the Sunshine State Exotic Animal Club is still alive and well. Sandy and David Cassalia, our President and Secretary, are working extremely hard to keep us going. In addition, Sandy is responsible for the bulletin. Furthermore, a biped has just joined their household of quadrupeds.

We need to survive more than ever since the animal activists are right in our backyards. One upon a time, though keeping

wildlife, I was a member of such groups in the U.S. and Great Britain. When I learned of the real agenda of these groups, I did not continue.

I believe most of their members are not aware that the most vocal and active animal rights groups want to stop all animal experimentation, animal exhibits, shows, zoos and our companion animal pets. I wonder how many members lives have been saved because of animal experimentation. I don't like it either; but people come first.

I did not mention hunting and fishing. I don't hunt. However, I believe that because of the monetary impact of the hunting, fishing and outdoor recreation industry, much land has been saved for wildlife habitat that otherwise would not have been. What have the animal rights people done to preserve wildlife habitat? The most fanatic of the animal rights people equate their lives with those of animals. The most hypocritical fight for animal rights while carefully avoiding damage to the family business, the horse-racing industry.

None of us, including myself, will dispute some of the positive things these groups have done for animals. We too believe in animal welfare, we do not believe in animal rights.

Animal rights groups here and throughout the country have carefully organized campaigns targeting schools, local political bodies, newspapers and anything that will help them carry out their agenda.

Not too long ago, high school students with their teacher demonstrated against furs in Coconut Grove. Hey were from a Dade county public school. I have a problem here. I am continually involved in development issues, some of which impact my students. If they deal with my curriculum, I discuss the issues in class presenting my views and those opposing. I

do not believe I have the right to use my position to influence my students. I do not believe teachers in the animal rights movement have the right to influence their students to their personal agenda.

One animal rights group in south Florida has people continuously writing letters to the editors of various newspapers.

Hollywood, Florida has banned exotic animal exhibitions. Because of the work of the Sunshine State Exotic Animal Club, that may soon be overturned. A number of cities have instituted bans on carriage horses. That too may be thrown out for the same reasons.

Animal rights groups are all over. In addition, they reach out. A south Florida group seems to continually reach out after Wildlife Rescue on the west coast. They're asking that his licenses be revoked. They state that excess animals are being sold for canned hunts. That I don't believe. The animal rights people have been to Naples, Ft. Lauderdale, Daytona Beach, St. Augustine, Miami, Miami Beach, and Davie, Florida during the last three months. At that time they spoke at commission meetings, fairs, pet shows, radio stations, TV stations, public schools, colleges and coordinated various demonstrations.

Much of what they say we have to agree with. However, when one considers their complete agenda, equating human lives as equal to animal lives, we have to disavow them. I believe LIOC needs to take a united stand. I believe the local organizations and the national as well must seek a broad-based membership. **Members and potential members who are in any way involved with domestic or exotic animals may be impacted by the animal rights groups.**

At meetings of the South Florida affiliate a significant number of members have indicated they want to keep a low

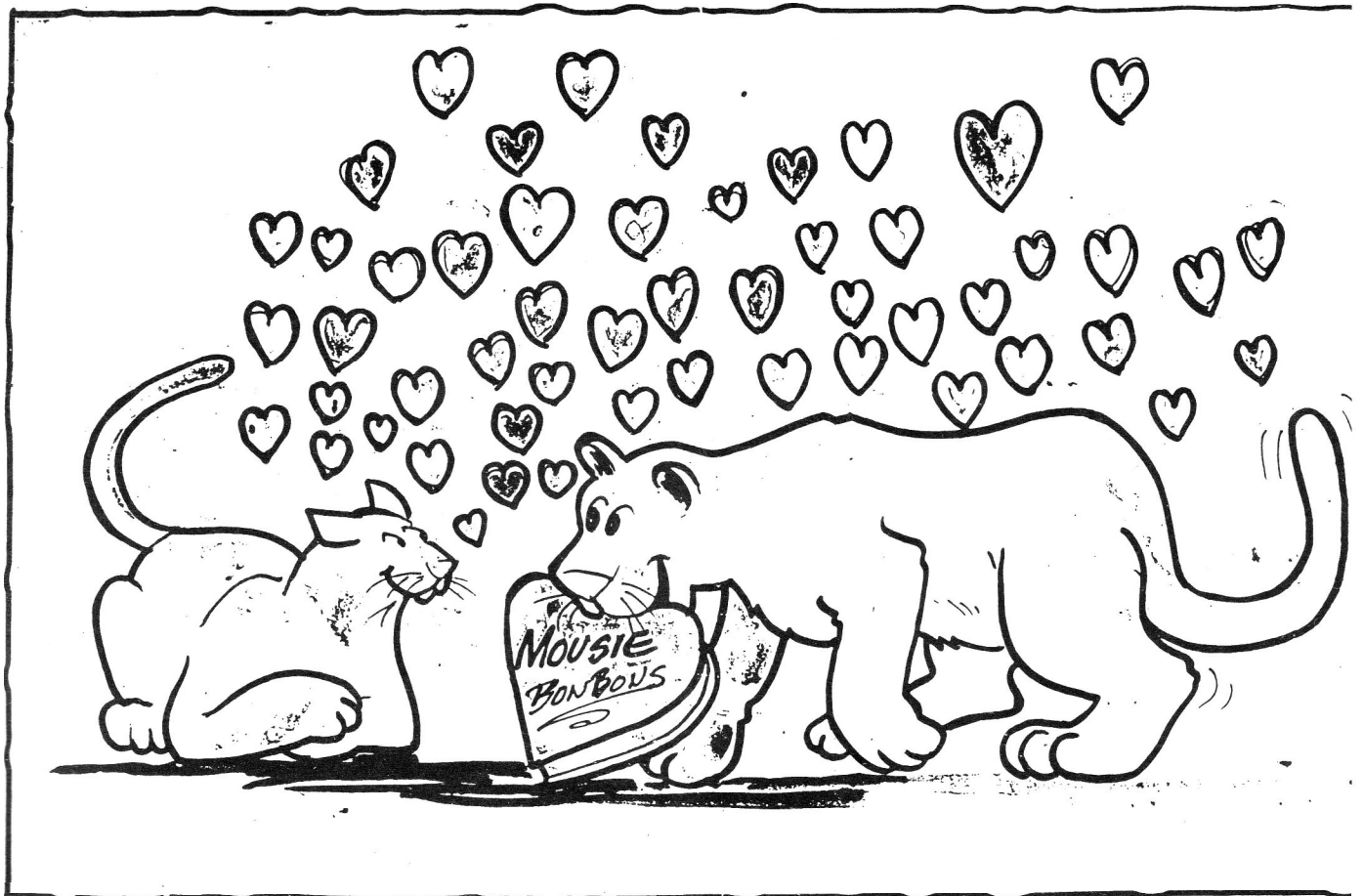
profile. That is all well and good. However, if they don't stand up for others, who will stand up for them?

The writer of the letter previously mentioned is correct in his view that more people need to be involved in the national organization. It is equally important to be as involved, or more so, in the branches. Without this involvement and these organizations, we may lose some of our rights to keep animals because of people who are not even aware of the totality of the agenda of the organization to which they belong.

Alan Rigerman  
Sunshine State Exotics

**Ed.Note:** It is not enough that we not support organizations which work against us - we must let them know why we are not supporting them. Write and tell them why

you are not renewing that membership. Many businesses make donations to these groups thinking it is good PR - they do not realize that although their dollars are donated for the worthy cause of say a spay/neuter clinic, but that money frees up other funds to pursue their agenda in less than desirable directions. If you read of a business doing them, write them and make your objections known. Tell them you will not use their products or services because of this, suggest other organizations which could use the funds to positive ends. You might further remind them that when the agenda of "ending all use of animals - for *any* reason" is brought about, there will be no need for their product; they are in effect supporting an effort that will eventually put them out of business if successful.



## ServalSpeak

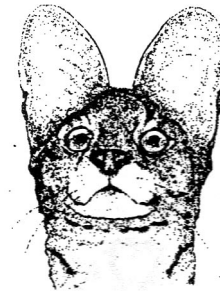
By George Stowers

Max is a three year old male serval that came to live with my family and I when he was about nine weeks old. As is the case with any two beings, successful communication can be very important to peace and harmony between Max and I. Here is some of what we have learned from one another.

For his part, Max has been a good student. He seems to understand about eight words or phrases: his name, good boy, bad, no, food, no bite, get down and too hard (usually when we are playing and he gets carried away with his teeth.) Not a large vocabulary to be sure, but enough for most situations.

Here is some of what Max has taught me about his language. Like most animals, Max uses a combination of vocalizations and body language for face-to-face communications. Vocalizations include: purr, meow, a bird-like chirp, a sound like a whispered "arf" (my wife says it is more a "oof"), hiss and growl. All sounds except his most angry hiss are very soft and easily drowned out by background noises such as normal conversations, radio or TV. Max only purrs when he is both very happy and relaxed. When he does the sound is very soft and only continues for a few seconds. Max's meow seems to denote a request of some type such as "play with me", "feed me", or "you're sitting in my spot, please move". I'm not sure what it means when Max chirps like a bird, but he always seems to be looking for something when he makes

it. It sounds a lot like the noise a mother cheetah uses to call her cubs. Perhaps it serves a similar purpose among servals. Max uses "arf" to indicate annoyance. The most common sound Max makes is a hiss. Hissing seems to have several meanings to Max. Spoken softly, he uses it as both a greeting and to indicate mild annoyance. Ear position is the decider. With ears forward the soft hiss means "hello", with ears pointed back it is a polite, "Leave me alone". As I mentioned earlier a loud hiss means, "I'm angry!". A growl also means anger but seems to be a little more sincere than a loud hiss.



Use of eyes and ears follows the feline standard: pupils open wider than normal for existing light means fear, smaller than normal means anger. Ears forward indicates curiosity; down and to the side or slightly back means fear or embarrassment; all the way back and down signals anger; moving independently in a random manner is neutral.

Max seems to think of his tail as a separate entity that follows him around. At times he becomes really annoyed with it. Basically, it is almost always writhing like a snake. The only time Max's tail is not in

## Legislative Update

Utah's Division of Wildlife Resources announced its intention to change its rules governing collection, importation, transportation and possession of "zoological animals". As defined under the act, many "exotics" currently owned as pets are considered "controlled" wildlife and therefore illegal to own unless a permit has been issued. The law and regulations are quite complex since it provides that animals not listed as "prohibited" or as "domestic" are "controlled". Recent interest in hedgehogs, however, has promoted the Division to recommend that hedgehogs, along with a host of other wildlife species, be elevated from a controlled species to a prohibited species.

When questioned as to why, the Division advised that they didn't know much about them or that they transmit diseases. The Pet Industry Joint Advisory Council is working closely with the newly formed Utah Alternative Livestock and Pet Association in its attempt to seek a more rational control mechanism.

State and Federal officials "raided" several Utah pet stores selling hedgehogs, confiscated and advised the owners that they faced civil and criminal penalties that could run as high as \$200,000. The next day they returned to confiscate equipment necessary to properly house the animals, a questionable exercise of their authority. It is rumored that the agents announced that when they learn of them, they are going into homes to confiscate pet hedgehogs. Once again, the Fish and Wildlife Service (FWS) is conducting its heavy-handed approach to law enforcement rather than educate people about complex laws and regulations to help

bring them into compliance.

### Reprinted from PIJAC Pet Letter

Utah members needing more information on whether this law may affect them may contact:

Jim Singleton  
P.O.Box 356  
Kaysville, UT 84037

### SERVAL SPEAK...continued

Basically, it is almost always writhing like a snake. The only time Max's tail is not in motion is when he is extremely relaxed such as just before drifting off to sleep. Other than that, the feline standard also applies: vertical equates to happy/friendly; horizontal and writhing more than normal shows restlessness/looking for trouble/wants to play; jerky motion denotes annoyance or anger; fluffed up means fear. A line of erect fur along the spine indicates a high state of arousal. (i.e. very: playful, fearful, or angry).

Behaviors used when in close proximity (contact to a foot or two) which seems to have specific meaning include: nose lick and slow blink means reassurance (I'm not threatening you); bobbing head with chin up is a challenge; grooming with tongue or incisors is a mark of approval, "I like you", a gentle push away with a paw asks "Please don't bother me right now."

Final exam time. What do I do when Max's eyes are narrow, ears all the way back and down, his is hissing like a tire which just ran over a railroad spike, and there is a narrow ridge of erect fur along his spine? Yup, I kick myself for being so stupid, then start trying to remember where we keep the first aid supplies I'm going to be needing any second.



This handsome bengal is only 1/4 Leopard Cat and is a rich cinnamon color.

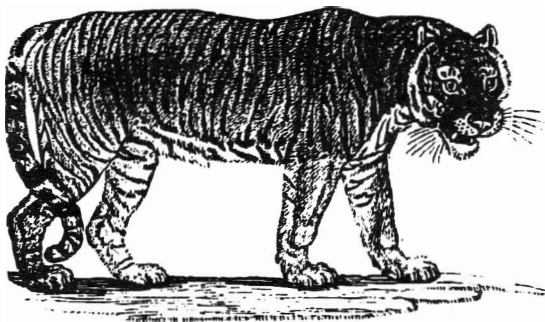


Another shot of the Haven's leopard cat - note how short his tail is in comparison to the bengal.

## WWF Hoping To Capture Javan Tigers On Film

Declining wildlife habitat on Java, increasingly under pressure from the Indonesian island's population of 150 million, has led to the extinction of a number of species. The Javan tiger was thought to be one of them. In 1980, there were only three to five of the big cats left, with the last sightings in 1983. Through new effort however, the World Wildlife Fund (WWF) is hoping to determine whether the animal still survives.

In 1991, Indonesia's Directorate General of Forest Protection and Nature Conservation asked WWF to do a survey, using the photographic technique developed by former WWF field officer Mike Griffiths to monitor Javan rhino populations. Since March, cameras connected to pressure pads have been set up along animal trails in Meru Betiri. When an animal steps on a pad, it triggers the camera, capturing itself on film. Although the technique is not new, Griffiths modified the system to withstand extended periods in Indonesia's dense tropical rain forests.



At Meru Betiri, 10 cameras have been placed along trails of reported sightings. If tigers are photographed, 30 more cameras will be set up throughout the park and its outlying areas.

Initial films from five cameras have turned up tigerless. In addition, says tiger expert Peter Jackson, "It seems unlikely that there would be more than a handful of Javan tigers, so it's hard to be optimistic about the animal's future survival." But even if no tigers are found, WWF hopes the photo survey will answer other important questions about the park's ecology and large mammals such as leopard, banteng, barking deer, and Javan wild dog. The results will be used for future management of Meru Betiri's extensive remaining forests, which provide water catchment protection for more than 100,000 people living in the surrounding lowlands.

Reprinted from World Wildlife Fund

### '94 Convention Videos Available

3 videos for one price.  
\$28.00

Covering the speakers, tours and highlights of the 1994 Convention in Tuscon, Arizona.

Make checks payable to LIOC and mail to  
Jean Hamil  
31307 Debbi Ln  
Magnolia, Tx 77355

## Calcium Deficiency Still A Problem

More and more these days we are getting reports of calcium deficiencies in kittens. Unfortunately, many come from folks buying from the same breeders.

A feline requires a calcium to phosphorus ratio in their blood of 2:1. That is two parts calcium to one part phosphorus. The diet we feed should provide this same ratio; if it does not, the body will go looking for calcium to maintain it. The bones are the most accessible source of calcium. In order to develop strong bones then, you must have a surplus of usable calcium - enough to maintain the blood's 2:1 ratio with some left over to build strong bones.

A balanced 2:1 *dietary* ratio for a growing kitten therefore may still result in a calcium deficiency. This is why you **must** supplement calcium in a growing feline. It has been my practice to supplement with calcium for the first year and perhaps longer. But at least until the kitten is eating a diet which contains adequate amounts of raw bone.

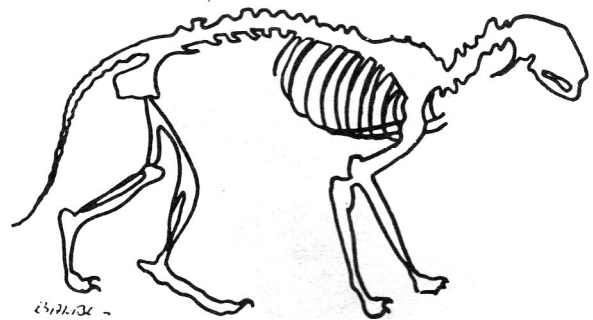
When supplementing calcium you must use a little sense. As we mentioned we're aiming for a 2:1 ratio in the stable, adult animal - one whose bones are fully formed and we hope strong. Giving any supplement containing phosphorus will perpetuate the imbalance, so you want to find a **pure calcium** supplement. Calcium carbonate is available in tablet form from most drugstores and healthfood stores - just make sure it is pure calcium with **no** phosphorus. To the best of my knowledge, no great harm has come from overdoing calcium - but underdoing it is disastrous.

We will try to find some recommendations as to dosage for you. Calcium supplementation should begin as

soon as you remove a kitten from it's mother in lower doses (milk contains calcium remember) and with increasing dosages continue for *at least* the first year.

Remember also that red meats contain higher levels of phosphorus with organ meats (liver, heart, etc.) containing the most. If these meats comprise part of your diet you must increase the amounts of calcium to offset the increased phosphorus.

The investment in time and money to purchase a mortar and pestle to grind calcium tablets and add them to each bottle or sprinkle it over each meal will be rewarded with a healthy kitten whose bones don't crack when they snag a nail on the carpet or jump from the couch to the floor. Any breeder who de-emphasizes the need to supplement calcium should be avoided like the plague.

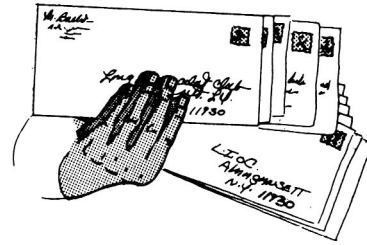


*"The reasonable man adapts himself to the world. The unreasonable one persists in trying to adapt the world to himself. Therefore, all progress depends upon the unreasonable man."*

*George Bernard Shaw*



## *Readers write. . . .*



Dear LIOC:

After reading James Godsmark's letter to us all in the November/December issue, we have to admit he has a very good point.

My husband and I have only domestic cats at this time and never felt we had much to contribute. Comfortable in our learning stage of sitting back together information, with the hope of exotic ownership someday. We realize now that as members we have a duty to participate and help our organization grow strong and well respected. There will always be those waiting for the opportunity to discredit us, but through unity there is strength. As member of LIOC we will try to do better in the contribution department in the future. We thank you James for the "kick" in the proper direction.

However, there is one thing which makes us uncomfortable. We met Mr. Godsmark at the 1992 convention in San Antonio. Members at past conventions have always been very friendly and approachable. When we saw James standing on the sidewalk near the Alamo we thought him to be a new member and went over to say "hi". After a short conversation about the club and members, he informed us that he was not sure if private exotic ownership was a good idea. We told him it was not for everyone and should not be entered into lightly. However he stuck with his opinion, which we felt he was entitled to, all the time

wondering why he would join LIOC if he felt that way. We only hope in his offer to take over production of the Newsletter that his opinion has changed on that subject.

Any experience we have had meeting members and their cats has always been almost positive one. The cats are loved, adored and cherished and appear **very happy**. This is something we wish was more visible in the zoos and animal parks.

Lisa Padula & Paul Richardson  
15 Padula Drive  
Marlborough, MA 01752-1177

\* \* \*

## *A Word of Explanation*

A picture appeared at the top of page 21 of Volume 38, Number 4 which evidently confused some folks. Pictured were members of the Exotic Feline Educational Society, all with matching coats, standing behind a table exhibiting spotted cat pelts.

Although admittedly, poorly captioned, those who read the meeting report could have reasoned the event pictured was a "speak-out". This branch does a magnificent job educating various groups about the cats and private ownership. We regret any confusion caused by the "group of smiling ladies standing over cat skins". ED



Our last meeting of the year was combined with a Christmas party and held in the home of Linda and Girley Crum. They live in Sandy, Oregon which provided a beautiful setting with snow covered trees and ground.

We had new folks who had just moved to Oregon from the Mid-West with a couple of cougars. They reported having no problems getting all the different permits required, but they are having a problem with their neighbors. They live with the cats on three acres, but the neighbors aren't happy that the cougars are there even though their caging is wonderful. Our members gave them several suggestions for dealing with the problems which we all hope will be solved soon.

Gayle reported there was nothing new at this time with O.F.W.D. The Task Force of which she is a member will be called back in February to look over some rough drafts for the new rules. However the Oregon Animal Owners Association is working towards making it possible to own Fennec foxes. Several people have been denied permits but we know of a couple of individuals that have them without any problems with the officials.

With no further business and everyone in a party mood the meeting was adjourned.

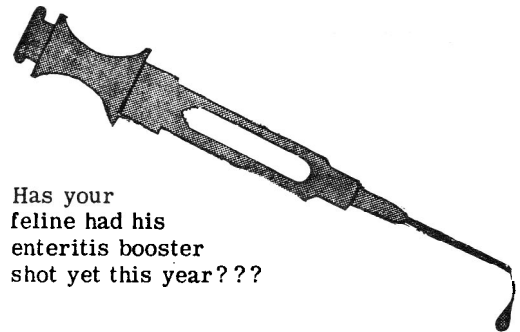
Girley brought in his new caracal kid

for us to see and play with. She is a real lovebug.

The Club furnished a couple of turkeys, relish trays and the dinner ware. We were overwhelmed with all kinds of salads, dinner rolls, cheeses, pies, cookies and candies as well as people.

In the spirit of the season, a good time was had by all. We will be meeting again in February at which time we'll be electing new officers.

Respectfully submitted  
Gayle Schaecher



Has your  
feline had his  
enteritis booster  
shot yet this year???

## *Sad News*

Longtime members will be saddened to learn of the death of Lidean McCracken. Lidean died Sunday, January 8th, 1995, of a cerebral hemorrhage. Her cats will be cared from by her son. Condolence notes may be sent in care of Gayle Schaecher who will see they are forwarded to the family.

## MEMBERSHIP/GUEST MEETING November 20, 1994



EXOTIC FELINE EDUCATIONAL SOCIETY

The officers hosted this potluck function at the *Washougal Wildlife League Pavilion* located on Lackamas Lake in Vancouver, Washington. Larry opened the meeting by welcoming members and specifically members A.J. & Cherie Kielian who traveled four hours from their home in Mattawa, WA.

### EDUCATIONAL PRESENTATION

#### ***Featured speaker and member, Shirley Malar:***

*Shirley introduced 6 month old Bobcat "Boomerang" and talked about "Getting your Cat off to a Good Start."* At four months it was discovered that Boomerang was nutritionally compromised because of being rejected by his mother at birth. He was diagnosed with a calcium deficiency. This deficiency was controlled during bottle feeding with formula and having Pet-Cal added. He showed improvement, looked and acted normal. However, X-rays taken to diagnose an injury showed paper bones. Although the calcium level in the blood was normal, a blood test was not a reliable indicator of the calcium content in the bones. The type of calcium in Pet-Cal, which balanced his milk formula, was incompatible with the high phosphorous content of his diet of turkey drums. Pet-Cal is also high in phosphorous which resulted in additional calcium loss from his bones. To compensate for the high phosphorous of the turkey diet, Calcium Carbonate was necessary to balance the phosphorous. He received 1/4 to 1/2 tsp. of Calcium Carbonate to 1/4 cup of turkey meat at feedings. The attending veterinarian expected improvement within six to eight weeks. He improved and is now very active and healthy. Shirley stressed that Pet-Cal should not be given on an ongoing bases if the diet was to consist only of turkey drums.

**⇒Member A.J. Kielian summarized his current problem with the WA Dept. of Wildlife. In 1992, the Kielians became licensed by USDA to hold, breed, and sell South American Cougars. The wildlife department advised the Kielians at the time they purchased the cougars, that all was required was a health certificate and notification within ten days from importation into the state of the cougars.**

- Both agencies had inspected and approved their facility.
- All communications with the wildlife department had been verbal.
- As it is illegal to sell a native species to someone within this state, the Kielians set up a bank account in Oregon in the summer of 1994.
- They advertised in Animal Finders Guide and the Capital Press.
- They sold several cougars throughout the U.S.
- A wildlife agent posed as a buyer at their home and made a deposit on one cougar kitten that he would later receive in Oregon.

- On August 4, 1994, their home was searched, their persons were frisked in front of the children, and three out of four cougar kittens were confiscated.
- They were charged with 13 counts of illegally selling cougars, and 1 count of conspiracy to tame and declaw a cougar. These charges totaled 13 years in jail and \$66,000 in fines for both A.J. and Cherie if convicted.

The Kielians are represented by an attorney and are fighting these charges. The court date is set for December 9, 1994.

*Jean Torland motioned* that the proceeds from our December Christmas Centerpiece work party be donated to the Kielians to aid in financial support. This was seconded and approved by all members present.

- **Catch Poles.** Rod Black brought a finished 4' pole for everyone to try out and comment on. It was found to be too heavy for the ladies to handle comfortably. Rod will make a slight modification and have the committed poles finished by our next meeting.

## **SPECIAL DRAWING - SQUEEZE CAGE**

***Rod Black spun the raffle barrel while telling the guests present about the many work parties it took to build squeeze cages. 15 yr. old Paul Hendricks drew the winning ticket. The winner - veterinarian Dr. Richard Weidenaar, of Orchards Veterinary Clinic, located in Vancouver, WA.***

The raffle and dollar game were very successful. Thanks to all who donated the nice gifts.

The meeting was adjourned and everyone visited while enjoying the treats.



A.J. Kielian, and his South American cougar. A.J. advised the membership of the charges filed against him by the Washington Dept. of Wildlife.

## AN LIOC EXCLUSIVE RELEASE

### *Introduction of PRISCILLA to a captive audience of EFES members:*

*All were hushed... as John & Sharon hustled Priscilla into the room.*

*To the front she went, she practically flew!*

*To everyone's laughter, a story was told, of how,*

*Priscilla, a bird among felines, found her way to the Roe's home.*

*Such a blip was given about that year ago event, when LIOC auctioneer,  
theatrical JB and fun-loving Reva, told of how Priscilla appeared.*

*The tears poured from laughter when this frocked feathered squawker was introduced.  
She flapped and fluttered, and stuttered the words from her beak,  
about her new years flight path she seeks.*

*For you see, at this last auction this feline teaser had a price,  
it increased and increased, oh what a screech, dollars poured,  
for the Roe's outbid each other as the onlookers roared.*

*Now not to discredit this bright and overstuffed bird, she has brought laughter  
and good memories to the home where she has perched.  
But, alas, she will not miss out on the auction of her life,  
as she will take on a new look, and in Colorado Springs she will light.*

*Be ready ye bidders, ye savers, ye collectors of spots,  
Know now that dollars, not crackers will win her heart  
For she knows her purpose, this winged work of art,*

*You see, she is the queen of the fund-raiser...  
and for LIOC does her part.*

*Respectfully, the Bird sitters.....*

Featured Speaker, **Shirley Malar** and  
her bobcat **Boomerang**. Her topic-  
Getting your cat off to a good start  
nutritionally.



## EFES December Fund-Raiser and Christmas Lunch

*The EFES elves appeared at the second annual work party,  
once again held at Santa's workshop, known to most as **Larry's hideaway**.  
They gathered to giggle and look over their earthy greenery,  
organizing and assembling for the next days work and festivities.*

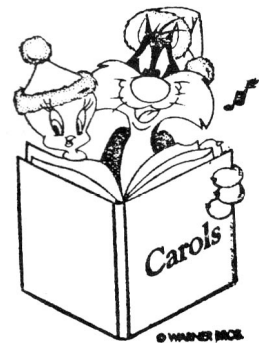
*With the head elf, Norman Ray, overseeing his now trained helpers,  
Amidst all the laughter, they scurried and scampered  
while with spirits and goodies, **our special elf Jean did pamper**.*

*Admist all the activity, the Christmas music was for naught,  
as the elves made their own music with scissors cutting, hands assembling,  
and joking and laughing and carrying on.*

*To everyone's delight and cheer, and to our amazement did appear,  
**82 sparkling wonderful Christmas Centerpieces**  
**It was only 39 last year!***

### *Elves in attendance:*

Linda Bizeau	Don & Arla Hertz	Norman Ray
Corrine Cary	Steve Johnson	Sharon Roe
Lori Curtis	Shirley Malar	Dana Spohn
Bob & Colette Griffiths	Jan Merris	Larry & Jean Torland
Ethel Hauser	Sue Preston	Herb & Barbara Wilton



*Our goal we did meet, and the proceeds we did present, to members **AJ & Cherie Kielian**,  
who needed our support and assistance. \**

*Yes the welfare of our felines and this donation is ever so special,  
and this Christmas we were ever so thankful and proud, for all the elves participation,  
which made this fund-raiser successful!!*

*Respectfully submitted,*

Sharon L. Roe  
Secretary/EFES Elf

*\*AJ & Cherie Kielian sold 41 of the 82 centerpieces. The proceeds from this fund-raiser, less EFES expenses was donated to these members to assist in their legal effort concerning confiscation of their cougars by the Department of Wildlife in Washington.*



Some of the many participants at the December Centerpiece work party

## **MEMBERSHIP MEETING** **January 15, 1995**

*Hosted by John & Sharon Roe*



**EXOTIC FELINE EDUCATIONAL SOCIETY**

Larry called the meeting to order, welcoming new members Lynette Inocente and Wade & Christy McGilvra. He also introduced the newly elected LIOC officers who are members of this branch: Ken Hatfield, President, Barbara Wilton, Vice President, Sharon Roe, Secretary-Treasurer, and Kelly Jean Buckley, Membership Services.

## **OLD BUSINESS**

### ***PRESIDENT REPORT***

Larry presented Sheila Pendleton, Director of Shelter Operations, at the Vancouver Humane Society with the small squeeze cage donated by EFES. She was ecstatic and thanked everyone for their effort in this project.

*New policies as adopted by the Board of Directors and officers:*

- ***Sale of items during meetings*** -- No sale of personal and/or business items will be sold during meetings and other branch activities. Sales are allowed before and after functions

- **Advertising in meeting minutes** -- For members only, a \$2 fee will be charged for a two-line ad which will be printed in the meeting minutes. The ad request must be accompanied with payment. Placement of an ad will be at the discretion of the secretary and may be delayed until the next mailing.
- **Sale of major items donated by members and/or non-members to EFES.** It was decided that all major item donations are to be presented to the board for acceptance, approval, and decision on how the sale will take place.

Unfinished Action Items:

- Does the branch want to **volunteer time and vehicles to pick up items one Saturday per month for the Paws' N Claws Thrift Store** operated by the Vancouver Humane Society? Members present voted no.
- **Video project of photographing the different feline fur patterns** for identification purposes by the Vancouver Humane Society was discussed. As Ethel was not present, this will remain open business.
- **Colette Griffiths** will donate two quilts. The board and officers will decide how they will best benefit EFES.
- **Article VII - Security** - Larry has completed his rough draft and made copies available for those interested in reviewing the draft. He asked that all comments and/or suggestions be submitted to him by January 27.
- **Logo** - Shirley will be unable to complete this project. New member, Wade McGilvra volunteered his design computer skills. A logo should be ready for approval by the next meeting.

**V.P. REPORT**

**Catch Poles** -- Rod Black gave an update on the status of the catch poles. The design modification is complete, and the committed poles will be shipped out before the end of the month. Several other members want to purchase these poles. The poles will be sold for \$30.00 plus shipping. No personal delivery. Rod is taking orders. Please contact him at 503-666-5814. Those showing an interest in purchasing a 4' catch pole were Sandy Hammersley, Joe Bonitz, Steve Johnson, and Darryl Scheel.



Sharon Roe with EFES members Wade & Christie McGilvra and their serval baby from Sharon's fall litter



### **TREASURER REPORT**

Barbara reported our net proceeds from the sale of 82 Christmas centerpieces were donated to AJ & Cherie Kielian to assist in their legal effort concerning the confiscation of their cougars by the Department of Wildlife in Washington.

### **SECRETARY REPORT**

- A reminder was made that dues notices have been sent. *The \$5.00 annual dues are due by January 31st* in accordance with the By-Laws.
- Membership list and By-Laws will be provided upon members request. Caution was given that no addresses and/or phone numbers were to be given to anyone without the consent of that member.
- Sharon read a note received from members, Bob & Suzette Armstrong, thanking the active members for their efforts over the last year. It is always special to hear from members who are unable to attend meetings.
- Sharon announced that the *next LIOC convention will be held in Colorado Springs* during the month of August. Kelly Jean Buckley and Barbara Wilton will be coordinating this event.

### **MEMBER'S REPORT**

**Steve Johnson** gave an update on the progress of research to support AJ & Cherie Kielian's legal issue. Their January court date was postponed. Please contact Steve for updates or if you have any questions regarding this case. Larry recognized Steve's extraordinary efforts in trying to introduce a bill during the 1995 session of the Washington State legislature to clarify the definition of "wildlife." This clarification will keep the Dept. of Wildlife from regulating privately held felines.

**Barbara Wilton** requested the **branch sponsor an LIOC membership**. Sharon nominated Judy Penland & Jim Morrow. These friends assisted John & Sharon in caring for their Caracals during the transition period of selling their home and moving from Vancouver to Ridgefield. Jim & Judy have helped other LIOC members by caring for their felines, giving excellent care and attention to their temporary borders, and asking nothing in return.

**Sharon Roe** proposed the **branch sponsor an EFES membership**. This was accepted as a good idea. Sharon nominated Marty Dean, a previous member who was unable to renew her membership, and EFES members voted to sponsor her. Marty has several exotics and is a very caring person.

## **NEW BUSINESS**

### **1995 MEETING DATES**

The EFES meetings will continue to be held on the third Sunday of each month. The following is the 1995 schedule:

January 15 -- Membership	July ? -- Field Trip Bandon Game Farm
February 19 -- Membership/Guest	Aug. 20 -- No Meeting/LIOC Convention Month
March 19 -- Membership/Guest	Sept. 23 -- Field Trip - ZOO ZNOOZE
April 16 -- Membership/Guest	Oct. 15 -- Membership/Guest
May 21 -- Membership	Nov. 19 -- Membership
June 18 -- Membership/Guest	Dec. ? -- Christmas fund-raiser

It may be necessary to schedule activities and/or functions outside the above meeting dates, i.e., making catch poles, Adopt-A-Highway, etc. We want to make this a successful year and accomplish those ideas suggested by our membership. As details are finalized, these activities will be published in our meeting minutes.

## ***VOLUNTEER POSITIONS REVIEWED***

The following positions were discussed and amended as follows:

1. ***Sunshine Member*** - This position has been deleted.
2. ***Raffler - Bob Griffiths***  
Bob will continue to sell raffle tickets for donated new items, and tickets for our dollar game.
3. ***Telephone Tree***  
- *Washington will be Corrine Carry*  
- *Oregon will be Rod Black*  
Former volunteers, Linda Bizeau and Cher Leonhardt were not present to confirm their participation for 1995. Corrine and Rod will be our network to phone members and guests encouraging attendance and participation in club functions.
4. ***Librarian - Corrine Cary***  
Corrine will continue to be responsible for our library of books and videos. Sharon and Corrine will put together a list of what is available. This is a growing resource of information which is available at our meeting functions and is for member use only.
5. ***Photo Historian - Jean Torland***  
She will be responsible for the bulletin board display, and will take photographs of our meetings, functions, attendees, felines, and maintain a permanent record for the club. The photo albums are available to view at meeting functions.
6. ***Public Relations - Ken Hatfield***  
He will be responsible for presenting articles and editorials to the EFES members for review and discussion. When necessary, he will respond on behalf of EFES.
7. ***Designated Host & Hostess - Don & Arla Hertz and Herb Wilton***  
These members did an excellent job of making everyone feel welcome and comfortable. They have graciously agreed to continue to greet everyone and provide name tags.
8. ***Food and beverage coordinator*** - This position has been deleted.
9. ***Medical Handouts - Ethel Hauser***  
She will make available at meetings, pertinent medical information in the form of presentations and handouts.
10. ***Fund-raiser Activity Coordinator*** - This position has been deleted. The officers will coordinate the fund-raisers.
11. ***Action Project***
  1. ***Handbook - Ethel Hauser, Ken Hatfield, Jean Torland, & Sharon Roe***  
They will be responsible for compiling a handbook of information for potential and existing felines owners. Rough layout of a handbook will be provided on or before the next business meeting.

- 12 **Good Guy Award Coordinator** -No one present volunteered for this position. Everyone agreed this was a good idea. We are looking for a member to coordinate this activity. A "Good Guy" is anyone that anyone feels has done something special or thoughtful, and deserves recognition. A box is available at all the meetings for anyone to enter their nominee for this special award. The coordinator will review nominees with the officers, and present the certificates.

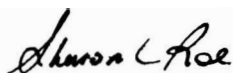
**Introduction of PRISCILLA to a captive audience of EFES members:**

***Please see page on Priscilla in LIOC newsletter.***

\*

We ended our meeting with a lively raffle and dollar game.

Respectively submitted,



Sharon L. Roe  
Secretary



New LIOC President and EFES Board member **Ken Hatfield** reminiscing with pictures from his Florida compound.



S 1202 OCELOT KITTENS



S 1203 BOBCAT KITTEN HEAD

*"Big Cats" T-Shirts  
by  
Wildlife Images  
Send S.A.S.E. for brochure*

*Shirley Malar 9405 NE 149th Ave.  
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## The Classifieds

All ads in this publication are void where prohibited by law. All transactions are between buyer and seller. All buyers and sellers must have proper licenses and permits for all animals offered for sale or sold. LIOC ESCF Inc. does not necessarily endorse or guarantee the honesty of any advertiser. LIOC ESCF Inc. reserves the right to edit or reject any subscription or ad. No blind animal ads will be accepted: all ads must a) contain name of business or individual, b) state whether the individual is owner or broker, c) show state and phone number or full address. For further information regarding advertising with LIOC ESCF Inc. contact the Term Director for Advertising & Publicity as listed inside the front cover of this Newsletter.

### EXOTIC (ANIMAL) INSURANCE LIABILITY / MORTALITY

Mitchel Kalmanson  
Specializing in Mortality Insurance  
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### ANIMAL FINDERS' GUIDE

18 Issues a year. Informative articles on exotic animal husbandry. Exotic animals, auctions, products & services advertised. \$25 a year. P.O. Box 99, Prairie Creek, Indiana 47869

