

The Complete Computer Place (TCCP) is committed to supporting the International Shiloh Shepherd Registry (ISSR) and their magnificent animals.

Nearly seven years ago Tina Barber (breed founder) and the TCCP began to adapt Tina's ideas and breed management procedures to a computerized environment. Existing commercial software programs fell well short of what was needed for the breed. The TCCP and Tina, acting as "functional analyst", developed a unique system. This system is able to meet all of Tina's stringent requirements. The access to and study of very detailed information on not only individual dogs, but also entire family trees are crucial to enhancing the breed.

Examples of the type of data the TCCP tracks appear on the following pages. The reports include a pedigree key showing the level of detailed information accumulated and tracked on each registered dog. The Litter Mate Information Report (LMI), and a Show Point Update report, will give you a small idea of some of our capabilities.

## TCCP Pedigree Key

The following information will assist the Shiloh Shepherd owner/breeder to make better use of this very detailed pedigree. Accepted pedigree format requires that each succeeding generation reflect fewer and fewer lines of information. This format is predicated primarily on the availability of information on older dogs as well as document space. (See chart 1). The degree of detail in this pedigree is designed to assist the owner to make informed breeding decisions and to appreciate his/her magnificent Shiloh.

## Example Pedigree Entry

**Line 1.** ♂ GV. abC. BIONIC MY-EXAMPLE-FOR-YOU (CGC)

**Line 2.** CDX Sch.3 H.D., S.R (ROM-100)

**Line 3.** 'SKU' 28" 126# BSG(P) MHT LMX-5P-0D(L-2-9) HF 12M or R0.28, L0.24 for PennHIP or SLH-27G69M for OFA

**Line 4.** DGC: 67, 56, 55, 49, 73, 61, 79

**Line 5.** RGC: 43, 58, 6, 61, 71, 65, 63

**Line 6.** GOL-C1-9908-D900000 08/23/91

## Line Explanation

**Line 1:** A. ♂ - Denotes Breed Warning – (Do not in breed or line breed on this dog)

B. ♂- Denotes non-Shiloh characteristics (Breed with caution)

C. GV. abCH. – Denotes show titles (see chart 2)

D. ISSR Registered name of dog (not to exceed 30 spaces)

E. (CGC) and (CDX) – Denotes working titles (see chart 3)

F. (ROM) – Denotes Register of Merit; A tabulating system to record information on all winning progeny and credit those dogs that produce them (minimum of 250 points)

**Line 2:** Continuation of line one information.

- Line 3:** A. K, R, U, S, A, G, W, M – Denotes one of the four foundation lines; i.e., Kari, Ria, Ursa, Sabrina, or the dog is an American show dog, a German import, or of White or Malamute lineage.
- B. 28” – Denotes height in inches
- C. 126# – Denotes weight in pounds
- D. BSG – Denotes coat color (see chart 4)
- E. (P) – Denotes type; (P) – plush coat or (S) – smooth coat
- F. MHT – Denotes temperament (see chart 5)
- G. LMX-5P(-2-) – Denotes litter mate x-ray information (see chart 6)
- H. HF – Denotes hip x-ray evaluation (see chart 7)
- I. 12M – Denotes age (# of months) at time of x-ray

**Line 4:** DGC – Denotes dominant genetic virtues or faults (see chart 8)

**Line 5:** RGC – Denotes recessive genetic virtues or faults (see chart 8)

- Line 6:** A. GOL-C1-9908 – Denotes ISSR, AKC or TCCP registration number, D00000 – Denotes individual DNA identity.
- B. 08/23/91 – Denotes date of birth.

## Chart 1 – Pedigree Generation

Note: From fourth (4<sup>th</sup>) generation back, only three (3) word wrapped lines of information will appear.

|  |                        |   |
|--|------------------------|---|
| 1 <sup>st</sup> Generation Parent            | 6 lines of information | (Information will word-wrap due to space considerations and availability of information on older dogs. Order of information will remain uniform from generation to generation.) |
| 2 <sup>nd</sup> Generation Grand Parents     | 6 lines of information |   |
| 3 <sup>rd</sup> Generation G-Grand Parents   | 5 lines of information |   |
| 4 <sup>th</sup> Generation G-G-Grand Parents | 3 lines of information |   |

## Chart 2 – Show Titles

|       |                              |  |
|-------|------------------------------|--|
| GV.   | Grand Victor / Grand Victrix | Top show (BOB/BOS) earning male/female in a given year   |
| NS.   | National Select              | Sufficient show (BOB/BOS) earned to place in the top 10 dogs shown for a given year                  |
| aCH.  | ARBA Champion                | Dog has earned four CAC-US slips under four ARBA Judges  |
| bCH.  | Breed Club Champion          | Dog has earned a minimum of 15 show points to achieve his/her championship                           |
| mCH.  | Foreign Champion             | Dog has earned an additional 10 points in a foreign country. i.e.: Canada or Mexico                  |
| iCH.  | IABKCA Champion              | Dog judged individually for overall quality by the International Working Dog Assoc.                  |
| fCH.  | Federation of Rare Breeds    | Dog has met FORB championship criteria   |
| rCH.  | Canine Rarities              | Dog has met Canine Rarities championship criteria  |
| cCH.  | Canadian Champion            | Dog has met Canadian championship criteria   |
| CH.PT | Champion Pointed             | Dog has not yet earned a minimum of 15 show points and at least two (2) Majors                       |
| ( )   | Non Shiloh Titles            | Titles enclosed by parenthesis <u>will not</u> be counted or considered as Shiloh recognized titles. |

### Chart 3 – Working Titles

|       |                     |       |                         |
|-------|---------------------|-------|-------------------------|
| OB.   | Obedience Degree    | Sch.B | Schutzhund B            |
| T.D.  | Tracking Degree     | S.Q.  | Schutzhund quality      |
| H.D.  | Herding Degree      | S.R.  | Search and Rescue       |
| T.D.1 | Therapy Dog         | TT    | Temperament Tested      |
| A.D.  | Endurance Tested    | G.D   | Guard Dog               |
| CGC.  | Canine Good Citizen | P.T.  | Protection Trained      |
| Sch.1 | Schutzhund I        | CD.   | Companion Dog           |
| Sch.2 | Schutzhund II       | CDX.  | Companion Dog Excellent |
| Sch.3 | Schutzhund III      | U.D   | Utility Dog             |
| Sch.A | Schutzhund A        | U.D.T | Utility Dog Tracker     |

Many of these AKC/NASA/etc. Titles/Degrees were earned by your dog's (AKC) ancestors,  
And are therefore listed by the same codes formerly used.

### Chart 4 – Coat Colors

|     |                     |     |                       |     |                      |
|-----|---------------------|-----|-----------------------|-----|----------------------|
| BLK | Black               | BSV | BI-Black Sable/Silver | DBC | Dk. Black/Cream      |
| BRS | Reddish Brown Sable | BR  | Black/Red             | BSC | BI-Black Sable/Cream |
| WHI | White               | SBV | Sabled Black/Silver   | BC  | Black/Cream          |
| GS  | Golden Sable        | BBV | BI-Black/Silver       | BST | BI-Black Sable/Tan   |
| LBV | Lt. Black/Silver    | SBC | Sabled Black/Cream    | LBT | Lt. Black/Tan        |
| LGS | Lt. Grey Sable      | BBC | Bi-Black/Cream        | GCS | BI-Grey Sable/Cream  |
| DBV | Dk. Black/Silver    | SBT | Sabled Black/Tan      | DBT | Dk. Black/Tan        |
| DGS | Dk. Grey Sable      | BBT | Bi-Black/Tan          | BSB | Brown Sable/Cream    |
| BV  | Black/Silver        | LBS | Lt. Brown Sable       | BT  | Black/Tan            |
| BSG | BI-Black Sable/Grey | DBS | Dk. Brown Sable       | BRT | Black/Reddish Tan    |
| LBC | Lt. Black/Cream     | BS  | Brown Sable           | BST | Brown Sable/Tan      |

### Chart 5 – Temperaments

| Desirable Types: |                         | Undesirable Types: |                             |
|------------------|-------------------------|--------------------|-----------------------------|
| HT               | Hard temperament        | OAT                | Over aggressive temperament |
| MHT              | Medium hard temperament | SST                | Sharp shy temperament       |
| MED              | Medium temperament      | SCT                | Spooky coward temperament   |
| MST              | Medium soft temperament | DST                | Dull sluggish temperament   |
| ST               | Soft temperament        |                    |                             |

## Chart 6 – Litter Mate X-ray Information

LMX-5P-0D (L-2-09)

|      |  |
|------|--|
| LMX  | Litter was x-ray evaluated                                       |
| -5P  | Five dogs of litter <u>passed</u> x-ray evaluation               |
| -0   | 0 dogs were found to be dysplastic                               |
| D    | Dysplastic (code from hip chart number 7)                        |
| (L-2 | Two litters from the parents were x-rayed                        |
| -9)  | Total of nine dogs from two litters produced by the same parents |

Note: The new LMX format displays the most current and complete information available. The new format is based on individual x-ray evaluations as they are recorded. Any litter with less than 70% of the progeny having x-ray evaluations will not be considered an LMX litter. Occasionally, a dog will die or the owners have moved out of contact, so information is difficult to obtain. If the litter consists of ten puppies and the ISSR has x-ray information on at least seven, it will be considered a complete LMX litter. The number of dogs passing the x-ray evaluation plus the number of dysplastic dogs divided by the number of dogs born determines whether or not a litter is a complete LMX litter. LMX information for dogs born before January 1, 1991 will appear in the old LMX format, LMX:OOD(L01-05). LMX information for dogs born after December 31, 1990 will appear in the new format, LMX-5P-0D(L-2-9).

## Chart 7 – Hip Evaluations

|     |                         |             |                         |  |
|-----|-------------------------|-------------|-------------------------|--|
| LMX | Litter mates x-rayed    | OHE         | OFA Excellent           | *This dog may have been rated “borderline” due to slight subluxation, but if he/she shows no signs of DJD and has a good LMX, he/she may be acceptable for 1 “test” breeding, as per the ISSR rules. Any puppies resulting from an “SP” breeding/incomplete LMX parents receive “restricted” (yellow) registration certificates, and do not qualify for gold upgrades. |
| HX  | X-rayed                 | OHG         | OFA Good                |  |
| HE  | Excellent               | OHF         | OFA Fair                |  |
| HG  | Good                    | OHSP        | OFA Still Permissible*  |  |
| HF  | Fair                    | OHD         | OFA Dysplastic          |  |
| HSP | Still permissible hips* | OHDS        | OFA Severely Dysplastic |  |
| HD  | Dysplastic              | R0.28,L0.24 | PennHip reading         |  |
| HDS | Dysplastic severe       | SLH-27G69M  | OFA Reading             |  |
| HNX | Not x-rayed             |             |                         |  |

Please note: The OFA readings done prior to 2 years of age list results submitted.

OHSP would be given to a dog that has NO remodeling, no shallow acetabulum etc. and the only check mark was subluxation with an OFA recommendation to re x-ray in 6 months.

## Chart 8 – Genetic Virtues and Faults

The code numbers will be prefixed by either DGC for dominant characteristics or RGC for recessive characteristics (seven code limit).

| Genetic Faults |   |     |   |
|----------------|---|-----|---|
| 01.            | Gunshy – Extreme noise sensitivity                            | 21. | Roach back / short coupled                              |
| 02.            | Monorchid – Cryptorchidism                                    | 22. | Too long bodied / over angulated rear                   |
| 03.            | Cardiovascular disorders (PDA) (PRAA) (AV/SLVE) (SAS)         | 23. | Steep / flat croup – poor tail set                      |
| 04.            | Digestive tract disorders (Esophageal Achalasia) etc.         | 24. | Narrow / weak hindquarters                              |
| 05.            | Hip dysplasia – Shallow Acetabulums and/or severe Subluxation | 25. | Cow hocked / faulty rear drive (narrow thigh/high hock) |
| 06.            | Ununited Anconeal Process – Osteochondrosis                   | 26. | Short / hook / kinked / gay tail                        |
| 07.            | Overshot or undershot bites – missing or extra teeth          | 27. | Poor structure / too short and stocky                   |
| 08.            | Narrow or snipey (bitchy) head                                | 28. | Neck too long / too short / unproportionate             |
| 09.            | Round / protruding / droopy eyes                              | 29. | Undersized / small fine bone                            |
| 10.            | Soft / weak ears  | 30. | Inadequate stop / roman nose                            |
| 11.            | Kite ears (leaning off to the sides)                          | 31. | Umbilical hernia / uterine inertia                      |
| 12.            | Oversize (too tall) or bonnet ears                            | 32. | Extra long / curly / wooly coat                         |
| 13.            | Flat chested / poor shoulder – front assembly                 | 33. | Too short / open or close: coat                         |
| 14.            | Weak pasterns / soft-splay feet                               | 34. | Skin allergies / dermatitis / mange                     |
| 15.            | East/west front / pinched elbows                              | 35. | Faded pigment / washed out colors                       |
| 16.            | Loose lips / light or faded muzzles                           | 36. | Shy temperament (overly cautious)                       |
| 17.            | Hare feet (extra long toes)                                   | 37. | Sharp-shy temperament (non approachable)                |
| 18.            | No wither / low stationed                                     | 38. | Spook-coward temperament (extremely fearful)            |
| 19.            | Skinny / extremely narrow structure                           | 39. | Unstable temperament (psycho)                           |
| 20.            | Soft / weak / sway back                                       | 40. | Dull-sluggish temperament (non attentive)               |

| Genetic Virtues |  |  |  |
|-----------------|--|--|--|
| 41.             | Herding ability / excellent agility                          | 62.  | Tall/Leggy (with good stifle and hock)                     |
| 42.             | Schutzhund (working quality)                                 | 63.  | Nice sickle hocks – well rounded stifle                    |
| 43.             | Super intelligent (problem solver)                           | 64.  | Wither – high and well defined                             |
| 44.             | Easily trained (responsive-willing worker)                   | 65.  | Perfect saber tail – well set in croup                     |
| 45.             | Good temperament (very sociable)                             | 66.  | Extra wide rear – exceptionally strong                     |
| 46.             | Alert and noble (bearing the look of eagles)                 | 67.  | Excellent movement (perfect flying trot)                   |
| 47.             | Good hips (exceptional genetic strength)                     | 68.  | Well balanced - easy flowing movement                      |
| 48.             | Good bite (genetically correct dentition)                    | 69.  | Excellent feet and pasterns (as per standard)              |
| 49.             | Strong ears (correct as per standard)                        | 70.  | Excellent stamina (untiring)                               |
| 50.             | Broad head (correct as per standard)                         | Please list as RGC only: (per your dogs littermates) |  |
| 51.             | Almond eyes (expressive, dark, well formed)                  | 71.  | White recessive (in first three generations)               |
| 52.             | Good nose (exceptional air scent – tracking ability)         | 72.  | Black recessive (in first five generations)                |
| 53.             | Muscle neck (strong, perfectly proportioned)                 | 73.  | Smooth coat (all litter mates – first five generations)    |
| 54.             | 45 Chest-wither-elbow (perfect front)                        | 74.  | Plush coat (all litter mates – first three generations)    |
| 55.             | Deep chest – strong well balanced front                      | 75.  | Bi-color alleles (in first three generations)              |
| 56.             | Good strong top line (as per breed standard)                 | 76.  | Sable with no black/tan factor (in first four generations) |
| 57.             | Excellent hindquarters (as per breed standard)               | 77.  | Aloof temperament (totally loyal-devoted to family only)   |
| 58.             | Extra oversize (bitches over 28” – males over 30”)           | 78.  | Hard temperament (independent)                             |
| 59.             | Broad stocky body with well sprung ribs                      | 79.  | Medium-hard temperament (protective)                       |
| 60.             | Heavy exceptionally thick and oval bone                      | 80.  | Medium-soft temperament (very sociable)                    |
| 61.             | Super structure – perfectly balanced (as per breed standard) | 81.  | Soft submissive temperament (marshmallow)                  |

Note: For more details regarding specific faults and/or virtues listed on your dog's DGC or RGC, please contact your breeder or refer to the BCR report.

## Litter Mate Information Report

LITTER MATE INFORMATION (LMI)  
REPORT DATE 2/16/99

PAGE 1

SIRE/DAM REGISTRATION NAME  
GOL-C1-9097 NSABCCH PINWOOD LAZARUS COMFORTH ZION OFA ROM (3540)  
GOL-C1-9086 K-SURA'S MISTIE WEATHER V ZION ROM (1860)  
DATE OF BIRTH MARCH 23, 1996

| REGISTERED NUMBER |   | SEX | HEIGHT | WEIGHT | COAT   | COLOR               | TEMPER | HIPS         | XR-AGE |
|-------------------|---|-----|--------|--------|--------|---------------------|--------|--------------|--------|
| ORA-3C-7132       | JORDAN CROWN JEWEL OF ZION                | F   | 27     | 80     | SMOOTH | BROWN SABLE         | MED    | HSP          | 35M    |
| PIN-C2-8441-GC    | ZION'S RAVEN OUT OF THE MIST              | F   |        |        | SMOOTH | LIGHT BROWN SABLE   |        |              |        |
| GOL-C1-9191       | ZION TAKES IT ALL                         | F   | 28     | 84     | SMOOTH | DARK BROWN SABLE    | MHT    | HF           | 12M    |
| GOL-C1-9183       | NSBCH TRINITY'S WISE NAOMI OF ZION        | F   | 27     | 90     | PLUSH  | DARK BROWN SABLE    | MST    | HG           | 12M    |
| GOL-C1-9180-C     | ABCHPTD AMAZING GRACE OF ZION CGC         | F   | 27     | 79     | PLUSH  | BROWN SABLE         | MST    | HG           | 12M    |
| GOL-C1-9181       | ABI CH LAZ'S CHANIYA OF ZION CGC          | F   | 28     | 90     | PLUSH  | SABLED BLACK/SILVER | MED    | R0.22, L0.33 | 12M    |
| GOL-C1-9192-B     | ZION'S ARMOR'N HAMMER                     | M   | 29     | 95     | PLUSH  | GOLDEN SABLE        | MED    | HG           | 16M    |
| GOL-C1-9178       | NSABI CH ZION'S ENDEAVOR OF BETTERWAYS TT | M   | 29.5   | 117    | PLUSH  | BROWN SABLE/CREAM   | MED    | SLH-36G24M-T | 25M    |
| GOL-C1-9175-B     | SHENANDOAH'S THE TAZ OF ZION CGC          | M   | 30     | 110    | PLUSH  | LIGHT GREY SABLE    | MST    | OHG          | 12M    |

## Show Point Update Report

FEBRUARY 16, 1999 PAGE 1

SHOW POINT UPDATE FOR GOL-C1-9181 ABI CH LAZ'S CHANIYA OF ZION

| SHOW NAME                 |         | SHOW DATE |          |         |     |     |       |       |       |       |         |     |     |      |      |  |  |
|---------------------------|---------|-----------|----------|---------|-----|-----|-------|-------|-------|-------|---------|-----|-----|------|------|--|--|
| SHOW POINTS               | GRP PLS | ROM       | GV       | BOW     | BOS | BOB | WIN D | DOG E | DOG C | WIN B | B ENTRY | B C | BIS | BOBP | BISP |  |  |
| WINDY CITY CLASSIC        |         | 10/12/96  |          | # SHOWS |     | 1   |       |       |       |       |         |     |     |      |      |  |  |
| 73562000                  | 3       | 0         | 30       | 0.0     | 0   | 0   | 0     | 0     | 2     | 1     | 1       | 5   | 2   | 0    | 0    |  |  |
| FORBS, MICHIGAN           |         | PM        | 1/19/97  | # SHOWS |     | 1   |       |       |       |       |         |     |     |      |      |  |  |
| 70522002                  | 0       | 0         | 0        | 0.0     | 0   | 0   | 0     | 0     | 2     | 0     | 0       | 2   | 1   | 0    | 0    |  |  |
| IABKCA, PURINA FARMS      |         |           | 11/1/97  | # SHOWS |     | 1   |       |       |       |       |         |     |     |      |      |  |  |
| 73292008                  | 3       | 0         | 55       | 11.0    | 0   | 1   | 0     | 0     | 5     | 3     | 1       | 4   | 0   | 0    | 0    |  |  |
| ARBA DETROIT, MI          |         | AM        | 7/11/98  | # SHOWS |     | 2   |       |       |       |       |         |     |     |      |      |  |  |
| 82120034                  | 1       | 0         | 35       | 6.0     | 0   | 1   | 0     | 0     | 2     | 3     | 1       | 2   | 0   | 0    | 0    |  |  |
| 82120035                  | 2       | 0         | 45       | 8.0     | 0   | 1   | 0     | 0     | 2     | 4     | 1       | 3   | 0   | 0    | 0    |  |  |
| ARBA DETROIT, MI          |         | AM        | 7/12/98  | # SHOWS |     | 1   |       |       |       |       |         |     |     |      |      |  |  |
| 82120036                  | 1       | 0         | 35       | 7.0     | 0   | 1   | 0     | 0     | 1     | 4     | 1       | 2   | 1   | 0    | 0    |  |  |
| ARBA, WINDY CITY CL       |         | AM        | 10/10/98 | # SHOWS |     | 1   |       |       |       |       |         |     |     |      |      |  |  |
| 83271017                  | 2       | 0         | 20       | 0.0     | 1   | 0   | 0     | 0     | 1     | 2     | 1       | 3   | 2   | 0    | 0    |  |  |
| TOTAL SHOW POINTS TO DATE |         | 16        |          |         |     |     |       |       |       |       |         |     |     |      |      |  |  |

The proceeding 4 pages were submitted by the TCCP, yet there are so many other reports and functions that we use continually. During the 98 Homecoming, 5 new Breed Warden apprentices have been selected. This group is dedicated to learning everything possible about the Shiloh Shepherd breed history, and to consistently utilize these reports to broaden their education. They are committed to working with new breeders and owners for the betterment of this breed. One of the many projects they will be dealing with, is to study the progeny reports of dogs that have produced 3 or more litters with different bitches. This information will help them determine the genetic faults & virtues being passed on by these studs. Due to lack of space I will not print the PER reports on each of these litters, since they look just like the LMI report on the preceding page. PER's are much more complex, since they list **each** litter (and the LMI information on it) produced by that particular stud. If you look at the first **Summary Report by SIRE-DAM-Breeder** listed below, you will notice that "Shep" (up until 1/98) produced 19 litters, with a total of 111 puppies. Yes, he did produce more pups in '98, but we have to deal with litters that are already over 1 year of age in order to get more accurate results.

| SIRE ID- NAME              | DAM ID- NAME                             | BREEDER               | LITTERS | PUPS |
|----------------------------|--|-----------------------|---------|------|
| Bionic Black Smoke of Zion | GOL-C1-9009 Windsong's Katrinka D'Shiloh | Wendy Fullerton       | 3       | 24   |
| GOL-C1-9008                | GOL-C1-9023 Morris Good Morning Mona     | Stephen Betcher       | 1       | 3    |
| GOL-C1-9008                | GOL-C1-9072 Mona's Lisa of Betterways    | Stephen Betcher       | 1       | 9    |
| GOL-C1-9008                | GOL-C1-9106 Jnk's Foxie Roxie Lady       | Jacquie Wisniewski    | 1       | 7    |
| GOL-C1-9008                | GOL-C1-9116 Zion's Image of Hia-Leah     | Lisa J. Barber        | 1       | 6    |
| GOL-C1-9008                | GOL-C1-9153 Nezbor Cheyenne Autumn       | Mary Linda Van Maanen | 1       | 7    |
| GOL-C1-9008                | ORA-C3-7004 Mountain Sheba of Zion       | Tina Barber-Chyung    | 1       | 7    |
| GOL-C1-9008                | ORA-C3-7006 Shiloh Lisa's Smoke-N-Megan  | Tina Barber-Chyung    | 2       | 5    |
| GOL-C1-9008                | ORA-C3-7012 Shiloh's Natasha Von Wisel   | Jean Wisel            | 1       | 5    |
| GOL-C1-9008                | ORA-C3-7048 Shiloh's Matoaka Pocahantas  | Lisa J. Barber        | 1       | 1    |
| GOL-C1-9008                | ORA-C3-7050 Jnk's Shahara Zod            | Jacquie Wisniewski    | 1       | 5    |
| GOL-C1-9008                | ORA-C3-7054 Schuler's Sassy of Da-Jo     | Joe Schuler           | 1       | 7    |
| GOL-C1-9008                | ORA-C3-7070 Mountain Bria of Zion        | Lisa J. Barber        | 1       | 5    |
| GOL-C1-9008                | ORA-C3-7071 Mountain Snow of Zion        | Lisa J. Barber        | 3       | 20   |

On the next report please not that "Pax" produced 11 litters with a total of 86 puppies out of 8 different bitches. Following up on all of the progeny from these litters will give us a lot of genetic data that can be used for the betterment of future litters. Our main focus of course is to document **hips, size and temperament**. But we must also search for any health issues that could possibly have a negative effect on the breed in years to come!

| SIRE ID- NAME    | DAM ID- NAME                              | BREEDER             | LITTERS | PUPS |
|------------------|---|---------------------|---------|------|
| Snow's A Tribute | GOL-C1-9052 Zion's Winnie-The-Poo         | Lisa J. Barber      | 2       | 18   |
| To Pax-Zion      | GOL-C1-9054 Golden Orcha-Kayla of Zion    | Tina Barber         | 1       | 11   |
| GOL-C1-9047      | GOL-C1-9070 Thunder'n Torah of Zion       | Tina Barber         | 1       | 9    |
| GOL-C1-9047      | GOL-C1-9092-C Zion's Gretchen Starr       | Anthony S. Cocilova | 2       | 16   |
| GOL-C1-9047      | ORA-C3-7010 Shiloh's Keshia Myste         | Karen M. Faith      | 1       | 10   |
| GOL-C1-9047      | ORA-C3-7013 Sheba-Shiloh Sioux v Savannah | Mary Ann Bayley     | 1       | 7    |
| GOL-C1-9047      | ORA-C3-7070 Mountain Bria of Zion         | Tina Barber         | 2       | 10   |
| GOL-C1-9047      | ORA-C3-7087 Zion's Time-Travel-N Kim      | Lisa J. Barber      | 1       | 5    |

Our last example, "Laz" only produced 10 litters with a total of 74 puppies, but since his progeny will be heavily used in the years to come, proper documentation is vital! His sister plus many of his daughters will be outcrossed to our NB import. If any surprises come up, we need to know where they are coming from. By following a system of careful comparison between the progeny from these litters, against the results produced with the Shep/Bear daughters, we will be able to see much clearer genetic probabilities with other combinations. This is how the entire breed was developed to begin with! We must continue to use the same formula to ensure that the quality expected by future owners will not be diminished!

| SIRE ID- NAME    | DAM ID- NAME                               | BREEDER         | LITTERS | PUPS |
|------------------|--|-----------------|---------|------|
| Pinewood Lazarus | GOL-C1-9070 Thunder'n Torah of Zion        | Tina Barber     | 1       | 6    |
| Comforth Zion    | GOL-C1-9073 Mona's Lady of Better-ways     | Stephen Betcher | 1       | 8    |
| GOL-C1-9097      | GOL-C1-9085 Zion's Bionic-London-Snow      | Tina Barber     | 1       | 5    |
| GOL-C1-9097      | GOL-C1-9186 K-Sura's Mistie Weather v Zion | Lisa J. Barber  | 3       | 22   |
| GOL-C1-9097      | GOL-C1-9114 Zion's Silver Primo Baby       | Tina Barber     | 1       | 8    |
| GOL-C1-9097      | ORA-C3-7004 Mountain Sheba of Zion         | Tina Barber     | 2       | 18   |
| GOL-C1-9097      | ORA-C3-7071 Mountain Snow of Zion          | Lisa J. Barber  | 1       | 7    |

Of course we have many reports on Studs that have only produced 1 or 2 litters, these are also important, but there are risk factors involved with such a limited amount of data. If you take another look at the samples listed above you should notice that in many cases the same female was bred back to the same stud more than once. By producing more than 1 litter out of the same combination we can actually narrow down the probable genetic recessives carried by either sire or dam. For example if our Stud is bred to bitch "A" and her sister "B" with a few solid black pups resulting from both litters, but when he is bred to bitch "C" and her sister "D" with no solid black pups resulting from either bitch, we must assume that our Stud does carry the "black recessive" but that the second pair of sisters does not. This simple process holds true with most factors, be it "missing teeth" or "bad hips", both dominant & recessive genes can be calculated to some degree, depending on the available information. I have always said that without proper genetic documentation on at least 5 generations (9 would be preferred) of ancestors with LMI data, a breeder is just "spit-n in the wind". The ISSR is committed to providing breeders with this data, as well as Relation Coefficient reports, to help them in selecting the best possible future combinations for their breeding program. After all, isn't that what a registry is **supposed** to do? Political jargon is not going to produce better dogs! Educating future breeders is the only way to insure that the best quality puppies will be produced, for many generations to come!

For more information and to order your reports, please visit [www.shilohshepherds.info](http://www.shilohshepherds.info) .