

T17 (Y-12)

1 Tam Srang

Again, this series included the large 1 Srang issue minted in fine silver. This issue replaces the Tam Srang minted under the First Coinage Series. The classification of this issue is based on 18 coins in the writer's cabinet plus 17 illustrations in Dealer's Auction Catalogs or a total of 35 coins. None of the coins in the Auction Catalogs added to the variations, but duplicated what had already been recorded. No new variation has been added to the collection for over 10 years.

This is a definitive study and resulted in seven tables as shown below.

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Brief comments in these tables are given.

TABLE I is a detailed record of various elements for this study. On the obverse, the snow lion tail variations are noted, the triangle symbol between the lion's legs, the sun variations, a detailed description of Lion Types and on the reverse illustrations of the variations in the 'Norbu' symbol.

TABLE II documents the elements in classifying the coin types.

TABLE III shows photographic illustrations of the types. A full detailed description of Type I is given with appropriate notes for the remaining types.

TABLE IV is an analysis of the distribution of coins studied. 75% of the coins studied were of the year 15-43 (1909). There are 12 variations in the year 15-43. The ratio of the number of variations to the total number amounts to 34% which seems to indicate this study covers many variations, but is not complete.

TABLE V shows the average diameter of 35.0 mm and an average thickness of 1.94 mm.

TABLE VI shows the average weight of 19.40 grams. The high standard deviation mean of 0.75 gms indicates lack of control in minting techniques. The 95% confidence interval for the mean is 17.90-20.90 grams.

TABLE VII records a X-Ray Fluorescence (XRF) analysis for one coin.

TABLE VIII documents the details of the one Srang series of coins. It is a detailed record on which the classification of this series of coins was based upon.

There are six types recorded based on six obverse variations and 12 different reverses. Type V has four different reverses.



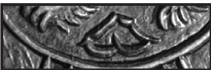
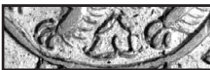
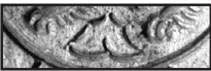
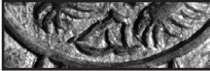
I. COIN FEATURE DETAILS

OBVERSE DETAILS







A. Snow Lion Tail Variations

<u>Code</u>	<u>Description</u>
1	Tail extends from body before turning upwards and curling forward
2	Tail turns upward from body
3	Stubby tail

B. Triangle symbol variations (bet. lion's legs)

<u>Code</u>	<u>Details</u>	<u>Code</u>	<u>Details</u>
1		4	
2		5	
3		5a	

C. Sun Variations

<u>Code</u>	<u>Details</u>	<u>Code</u>	<u>Details</u>
1		4	
2		5	
3		5a	

D. Snow Lion Types

<u>Code</u>	<u>Description</u>
A	Large lion looking backwards 35 degrees above horizontal; normal body; normal legs; left front leg down 15 degrees from horizontal; 2 teeth in lower jaw; tail 1; flames on lion's legs and tail 0.5.0.6-9.
B	Large lion looking backwards 45 degrees above horizontal; normal body and legs; left front leg down 45 degrees from horizontal; 3 teeth in lower jaw; tail 2; 3 flames below lion's neck; flames on legs and tail - 3.5.0.6-10.
C	Large lion looking backwards 45 degrees above horizontal; normal body and legs; left front leg down 45 degrees from horizontal (similar to B); left rear leg bent upwards (different from B); 2 teeth in both jaws; tail 1; large raised figure '6' on left shoulder; arc on upper part of left rear leg from under belly to knee of leg; left rear leg bent parallel to left front leg; flames on legs and tail - 0.6.0.7-11.
D	Large lion looking backwards 20 degrees above horizontal; normal body; heavy left front leg down 25 degrees from horizontal; 3 teeth in both jaws; tail 2 high on lion's rump; raised figure '6' in left front shoulder; left rear leg bent forward; flames on legs and tail - 0.5.0.7-11.
E	Large lion looking backwards 20 degrees above horizontal; normal body; thin left front and rear legs; left front leg down 25 degrees from horizontal; 3 teeth in lower jaw; tail 2; raised figure '6' and arc on left front shoulder; raised arc inside upper left rear leg; left rear leg bent forward; flames on legs and tail - 0.7.0.5-12.

- F Large lion looking backwards 25 degrees above horizontal; normal body and legs; left front leg down 15 degrees from horizontal; 3 teeth in lower jaw; tail 1; raised figure '6' on left shoulder; left rear leg slightly bent forward; flames on legs and tail - 0.7.0.6-10.
- G Large lion looking nearly vertical upwards; normal body; thin legs; left front leg down from body before bending forward; 2 teeth in both jaws; tail 3; figure '6' swirls on left front shoulder and left rear thigh; dot over middle of lion's back; flames on legs and tail - 2.4.2.4-11.
- H Medium-sized lion looking backwards 30 degrees above horizontal; very thin body and legs; left front leg down from body before bending forward; 3 teeth in both jaws; tail 3; arcs on left front shoulder and left rear thigh; left rear leg sharply bent forward; flames on legs and tail - 4.6.2.6-8.
- CF COUNTERFEIT: Large lion looking backwards 45 degrees above horizontal; abnormally large left front and rear legs; left rear leg out of proportion with rest of body; lion's rear end raised abnormally high; no teeth; tail 1 abnormally low on lion's rump; incused 'D' on thigh of left rear leg; crudely engraved; flames on legs and tail - 0.6.0.6-12.

REVERSE DETAILS

G. Norbu Symbols

Code Details

1



2



3



H. Year Code

<u>Code</u>	<u>Tibetan Date</u>	<u>A.D. Date</u>
a	15-43	1909

I. Abbreviations

- CF Counterfeit
- C.V. Coin Variation
- L.T. Lion Type
- S. Sun Variation
- Tr. Triangle Symbol
- N. 'Wish-Granting Jewel' (tib. 'Norbu')

Obverse:/Reverse: Beads = No. of beads on obverse and reverse

II. COIN TYPES

Type	Code 'T'	Obverse Lion	Sun	Δ	Rev Norbu
I	17:a1	A	1	1	1
II	17:a2	B	3	4	2
III	17:a3	C	5	5	2
IV	17:a4	D	4	5a	1
V	17:a5	E	2	3	3
VI	17:a6	F	1	2	1

III. DETAILS OF COIN TYPES

Type I
Code T17:a1
Mint: Dode

Denomination: 1 Tam Srang 15-43 (1909)
Diam. 34.9 mm; Th. 2.1 mm; Wt. 19.77 gms
Metal: Silver, Reeded edge

Obverse



Reverse



Obverse: A stylized snow lion (Type A) looking backwards 35 degrees above horizontal. Lion's flames 0.5.0.6-9. Ornate sun (Type 1) above lion's back; triangle form (Type 1) between the lion's legs. All enclosed in a 15-mm diameter circle. The eight separate fleurets containing Tibetan script inscribed between the first and second circles. The fleurets are connected by an arc with a bead. Tibetan script reads:

dga'-ldan-pho-bran-phyod-las-rham-rgyal. The Ga-den Palace, victorious in all directions. Beaded border.

Reverse: A stylized 'Wish-Granting Jewel' (tib. 'Norbu') symbol (Type 1) enclosed by a 9-mm diameter circle. Tibetan script inscribed between the first and second circles. Tibetan script reads: script *rab-byoang-74-lo-C3-dngul-srang-gang* The 15th sexagenarin cycle, year 43, tam sang-gang The eight separate fleurets each containing a Buddhist emblem are inscribed between the second and third circles. The fleurets are connected by an arc with a bead. Beaded border. Number beads at rim Obverse:/Reverse: 79/75

Type II
Year 15-43
Code T17:a2

Obverse



Reverse



Obverse/Reverse: Lion type 'B' Norbu symbol '2'. Lion's flames. See TABLE VIII for 3.5.0.6-10 reverse variations Sun symbol '3' Beads at rim 75 Triangle symbol '4'. Beads at rim 79. Coin with plain edge

Type IIIA
Year 15-43
Code T17:a3

Obverse



Reverse



Obverse/Reverse: Lion type 'c' Norbu symbol '2'. Lion's flames See Table VII for 0.6.0.7-11. Reverse variations Triangle symbol '5', Beads at rim 75, Beads at rim 79

Type IIIB
Year 15-43
Code T17:a3-2

Obverse



Reverse



Obverse: Same as T17:a3

Reverse: Norbu symbol '1'. See Table VIII for reverse variations. Beaded border, 73 beads.

Type IIIC
Year 15-43
Code T17:a3-2

Obverse



Reverse



Obverse: Lion type 'C'. Lion's flames 0.6.0.7-11. Sun symbol '5a'. Triangle symbol '5' Beads at rim 79 Norbu symbol '1'. Beads at rim 79

Reverse: See TABLE VIII for reverse variations Beads at rim 75

Type IV
Year 15-43
Code T17:a4

Obverse



Reverse



Obverse: Lion type 'D'. Lion's flames 0.5.0.9-11. Sun symbol '4'. Triangle symbol '5a'. Beads at rim 73
Reverse: Norbu symbol '1'. See TABLE VIII for reverse variations Beads at rim 64

Type VA
Year 15-43
Code T17:a5

Obverse



Reverse



Obverse: Lion type 'E'. Lion's flames 0.7.0.5-12. Sun symbol '4'. Triangle symbol '3'. Beads at rim 82
Reverse: Norbu symbol '3'. See TABLE VIII for reverse variations. Beads at rim 76

Type VB
Year 15-43
Code T17:a5-2

Obverse



Reverse



Obverse: Same as 17a:5
Reverse: Norbu symbol '3'. See TABLE VIII for reverse variations. Beads at rim 68

Type VC
Year 15-43
Code T17:a5-3

Obverse



Reverse



Obverse: Same as 17a:5

Reverse: Norbu symbol '1'. See TABLE VIII for reverse variations. Beads at rim 66

Type VD
Year 15-43
Code T17:a5-4

Obverse



Reverse



Obverse: Same as T17:a5

Reverse: Norbu symbol '1'. See TABLE VIII for reverse variations. Beads at rim 74

Type VIA
Year 15-43
Code T17:a6

Obverse



Reverse



Obverse: Lion Type 'F'. Lion's flames 0.7.0.6.10. Sun symbol '1'. Triangle symbol '2'. Beads at rim 78

Reverse: Norbu symbol '1'. See TABLE VIII for reverse variations. Beads at rim 84

Type VIB
Year 15-43
Code T17:a6-2

Obverse



Reverse



Obverse: Same as T17:a6

Reverse: Norbu symbol '1'. See TABLE VIII for reverse variations. Beads at rim 70

IV. SUMMARY DISTRIBUTION TABLE

Type	Code 'T'	Writer's Collection No. Var.	No. Dup.	No. Auc. Cat.	T.N.
I	17:a1	1	-	-	1
II	17:a2	1	1	1	3
IIIA	17:a3	1	-	3	4
IIIB	17:a3-2	1	-	1	2
IIIC	17:a3-2	1	1	2	4
IV	17:a4	1	1	1	3
VA	17:a5	1	1	2	4
VB	17:a5-2	1	-	-	1
VC	17:a5-3	1	-	-	1
VC	17:A5-4	1	-	-	1
VIA	17:a6	1	1	6	8
VIB	17:a6-2	1	1	1	3
	Total	12	6	17	35
		% 34			

V. SUMMARY MEASUREMENT ANALYSIS

No. Coins	Diameter (mm)			Thickness (mm)		
	Sm.	Ig.	Avg.	Th.	Tk.	Avg.
25	34.5	35.4	35.0	1.8	2.2	1.94

VI. SUMMARY WEIGHT ANALYSIS

No. Coins	Weight (gms)			s.d.m.	95% c.i. for mean
	Low	High	Avg.		
25	17.68	21.05	19.40	0.75	17.90-20.90

VII. X-RAY MINI QUANTITATIVE ANALYSES

The X-Ray Fluorescence (XRF) technique was used to determine the elements recorded.

Year	Code 'T'	Analyses (%)		
		Ag	Cu	Zn
15-43	17:a1	95.30	4.58	0.13

VIII. TABLE SHOWING COIN DETAILS (Ommited. I can send chart upon request.)