# THE BIRHORS



trat Chanda Roy

"For Lavour of Review"

# THE BIRHORS:

A LITTLE-KNOWN JUNGLE TRIBE OF CHOTA NAGPUR

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A little-known Jungle Pribe of Chota Nagpur.

BY

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# PREFACE.

The present work is the third volume of a series of monographs in which I have been endeavouring to record, as faithfully as possible, the 'primitive' culture,—the rapidly disappearing customs and institutions, ideas and beliefs,—of the different 'aboriginal' tribes of Chōṭā-Nāgpur. As for the Birhōṛs, it is not only their 'primitive' customs and institutions, ideas and beliefs, that are fast decaying, but the people themselves would appear to be gradually dying out. And no apology is therefore needed for the publication of the present account in spite of its many defects and imperfections.

Although it is now over fifteen years that I have been engaged in studying the life and culture of this interesting tribe, I cannot say that I have seen or learnt all that has to be seen and learnt about the Birhōrs. They are scattered in very small migratory bands over such an extensive area of hills and jungles, not unoften difficult of access, that I have not had the opportunity of

tracing out and visiting all their different encampments and studying the variations in the customs and institutions among all the different clans of the tribe. If a second edition of the present work ever comes to be published, I hope to be able to add much further information,—for, the fascination of the study of such an interesting people will not permit my investigations amongst them to cease with the publication of this work.

My thanks are due mostly to the people themselves, but more particularly to an exceptionally intelligent Birhōr of the name of Budhu of the Andi clan. As the *Uthlā* or migratory sections of the tribe are always on the move, except during the rainy months when they encamp generally in comparatively inaccessible jungles and hills away from villages and settlements of other castes and tribes, it is only during the rains that one can have an opportunity of studying them, if admitted into their encampments. It was this man who during the rainy months acted as my guide and chape-

ron to different Uthla encampments which he ferreted out for me and where I could not have expected a friendly reception but for his introduction and support. In these difficult journeys in some of which we had to walk several miles on foot over hills and through jungles and sometimes had to wade across swollen and rushing hill-streams, Budhu was my constant guide and companion: and in some of these journeys my son Dinesh Chandra Roy accompanied me with his camera and several of the illustrations in this book are from photographs taken by him. I am also indebted for a few of the photographs to my esteemed friend Rev. Father M. Stas, S. J. who accompanied me to two Jaghi Birhor settlements in the Ranchi District.

Finally, my thanks are due to my friends Mr. Satis Chandra Ray, B. L., who kindly helped me in seeing the book through the press, and Mr. Manindra Bhusan Bhaduri, B. L., who kindly prepared the index.

DATED RANCHI, The 1st March, 1925.

# ERRATA.

- P. 11, 1. 20, for 'brideroom' read 'bridegroom'.
- P. 59, l. 18. after 'Melanesia', add 'to Polynesia'.
- P. 70, l. 1, for 'discribed' read 'described'.
- P. 84, l. 4, for 'infrigement' read 'infringment'.
- P. 99, l. 16, for 'Khngar' read 'Khangar'.
- P. 117, l. 21, for 'nature' read 'nature'.
- P. 123. l. 2. for 'would' read 'world'.
- P. 151, last line, for 'o' read 'to'.
- P. 153. l. 5, for 'figure' read 'diagram', & vics versa.
- P. 154, last line for 'ths' read 'the'.
- P. 213, l. 5, for 'aud' read 'and'.
- P. 214, l. 9. for 'stage' read 'state'
- P. 247, l. 15, for 'spinsters' read 'spinisters''.
- P. 253, l. 16, for 'af' read 'of'.
- P. 328, ll. 17, & 20, for 'Jeth' read 'Jeg'.
- P. 361, l. 11, for 'stength' read 'strength'.
- P. 364, l. 9, for 'harmonious' read 'harmonious'.
- P. 399, Il. 18 & 19, for boga' read bongs'.
- P. 400, l. 20, for 'aprang' read 'sprang'.
- P. 461, i. 16, for 'him' read 'her'.
- P. 532. l. 15, for 'tanda' read 'clan'.
- P. 561, 1. 18, for 'he' read 'they'.
- P. 566, l. 19, for 'probale' read 'probable'.
- P. 566, last line, for '276-293' read '376-393'.

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# APPENDIX I.

# Birhor Vocabulary.

The Birhörs, as I have said 48, speak a language now classed among the Austric linguistic family which is said to extend from India and Burma through Indonesia and Melanesia to Polynesia. The Munda languages to which the Birhor speech belongs are classed along with Khāsī, Mon-Khmer, Wa, Palaung, Nicobarese and the aboriginal languages of Malacca under the Austro-Asiatic sub-family of this great Austric family. Although the stock of words of the Birhors is necessarily scantier than those of their neighbours and congeners the Mundas, the Santals and the Hos, who stand on a relatively higher level of culture, the vocabulary of the Birhors, like those of other branches of the same

<sup>48</sup> Page 59 ante.

group, is fairly rich in words for different varieties or different parts of some particular animal, plant or fruit or other concrete object that they know, but extremely poor in words to denote either collective or abstract ideas. Thus, although the Birhors have no general word for the genus of rodent mammals known to Zoologists as mūs, they have terms for its different varieties, e. g. a small mouse is called a chūtlā, a middle-sized mouse a kābā or guru, a large rat bhūsh, and a musk-rat Chandi. As in other dialects of the Mundā group, the same Birhor word may be used as a noun, an adjective, a verb or even an adverb, often with little variation. Except in a very few instances, traceable to outside influence, in which a feminine termination is used. Birhors do not distinguish natural gender by any modification of the noun itself; but this is done, in a few instances, by using different words, but, more often, by adding words meaning 'male' and 'female'. Suffixes -kin and -kā respectively are employed to denote the

dual and the plural numbers; such casesuffixes  $(-ke, -\bar{a}t\bar{e}, -r\bar{a})$  as are employed appear to have been borrowed from Hindi or Bengali. I shall not enter into details of the grammatical structure of the language which resembles that of the other languages of the  $Mund\bar{a}$  group in its main features. I shall conclude this introduction to this Birhōr vocabulary by citing only a few instances to illustrate how faithfully the language of the people reflects their economic, social and mental life.

Birhōr society knows no distinction between 'rich' and 'poor', for all Birhōrs are almost equally poor. So when they now see this distinction among their neighbours and require to express it they have to borrow the terms 'dhanīn' (rich) and 'garīb' (poor) which are in use among their Hindi-speaking and Bengali-speaking neighbours. Again, in a society, where all are equal, honorific pronouns are necessarily unknown and every Birhōr addresses every other man as ām, 'thou'.

In their strenuous life, every Birhor has to work and requires to be strong and courageous and he has no leisure to be idle and no reason to be weak or feeble, and consequently the Birhor has no terms of his own to express the ideas of 'weakness' and 'weak', 'idleness' and 'idle'. And so when he sees such distinctions among his neighbours he borrows (with phonetic modifications) the words with which their Hindu or Hinduised neighbours express these ideas, namely, durbal for 'weak', balīmān for 'strong', dilgār for 'courageous', and korhi for 'idle'. As a keen hunter, the Birhor has a name for every distinct part of the body (hōrmō) of an animal, viz, its head (boho), the top of the skull (dorom bolio), forehead (molong), hair (nub), eyebrow (med-khuti), eye. (med), nose (mū), mouth-hole (āngōb), mouth (mōchā), chin (dāchō), cheek (jōhā), ear (lūtūr), neck (hōtō), the back of the neck (tūtkā), the face just below the ears (lūtūr hupā), tooth (dāṭā) jaw (chowhāt), upper lip (lācho), lower lip (lūṭi), chin (dāchō), chin-hair (gūchū),

tooth (dātā), throat (nārți) shoulder (tăran), breasts (toā tānel), hand (ti), upper arm (sūbū), finger (angur), nail (rāmā), chest (kūndūrām or kūrām), navel (būkā) stomach (lāhi), the large intestines (dānā potha), the small intestines (nanha pōthā), the convolutions of the intestines (dūgdūgiā pothā), the male organ (korā), the testicles (bili), the buttocks (chuturā), palm of the hand (ti-thhalka), back of the hand excluding the fingers (angur lūlūhā), lap (kôyōng), thumb (chundūl angur, or dhabu angur), little finger (kāni āngūr), big toe (bākārea dhābū āngūr), little toe (bākārea kāni āngūr), bone (jāng), hip-bone (chūki-jāng), thigh (būlū), arm joint (fārkāt jāng), elbowjoint (ukku), front of the foot including the toes, (bākā), leg excluding the foot (nārhārā), upper part of the foot excluding the toes (sūpli), sole of the foot (bākā thhālkā), knee-joint (mūkūri), the thigh-bone (dhāpē-jāng), heel (irgi), sides of the body (khōkhā), bile-bag (ihim), lungs (borkod), flesh (jilū), blood (māyōm), and skin (hārtā).

It is interesting to note that the word for flesh  $(jil\bar{u})$  is also employed to signify 'deer', as its flesh is to the Birhōr the most delectable and coveted animal food. As for the monkey  $(g\bar{a}ri)$ , the catching of which forms a favourite ocupation of the Birhōrs, they have different words for the animal in different stages and conditions of its life. Thus, the male monkey is called  $bh\bar{a}k\bar{o}r$ , the female monkey  $eng\bar{a}$   $bh\bar{a}k\bar{o}r$ , a pregnant monkey  $\bar{a}nrhowr\bar{a}$ , a female monkey carrying a child on its back  $h\bar{o}m\bar{o}ing$ , and so forth.

Although in the languages of some of the comparatively advanced branches of the Mundā race the first ten numerals are their own, the Birhōrs have words only for the first four numerals (miā, bāreā, peā, and pūniā). For the rest he uses the Hindi or Bengali terms (pānch, chhai, sāt, etc.). It is interesting to note that the Birhōr has only two terms to distinguish colours, namely hendē (black) and pūnḍi (white). For 'red' he uses the Bengali word rāngā, whereas 'yellow' is described as sasāng baran (turmeric-colour). He

can hardly distinguish between 'green' and 'blue' and has naturally no term of his own for these colours, but uses the Hindi word hariār (green) for both. He has no name, indigenous or borrowed, for 'brown'. It is also noticeable that to express the abstract conception of colour, the Birhōr borrows the Bengali word 'baran'.

Instances might be multiplied to any extent to show that the languages of lower culture, such as that of the Birhors, are deficient in the expression of abstract conceptions and class names; and so his words mostly express concrete ideas. Thus, to give one example, the Birhor has no term for 'food' in general or for 'corn' but has names for the different articles of food that he takes, as, for example, *iilū* for animal flesh and particularly the flesh of the deer,  $i\bar{v}$ for fruit, hōrōmsi for honey, madkam for the mohuā, sim for fowl, holony for bread, and so forth. The Birhor has no general words for 'time' or 'place', for which he uses the Bengali or Hindi words somae and jaega, but he has words for different periods or points of time (māhā, last year; kālom, next year; tihing, to-day; gāþā, to-morrow, nidā, night, singi, day; and so forth), and for different places that he knows. Again, although the Birhōrs do not appear to possess a general term for cutting, they employ the term mā 'to cut at a stroke', and ged 'to cut slowly'. Although a strictly general term for the idea of cutting does not exist, the word 'mā' is, however, employed for the purpose except when the process of cutting is markedly slow.

In the subjoined vocabulary I have marked the words that are common to the Birhōr and the Mundāri languages; and among these the Sanskrit-knowing reader will not fail to notice the large proportion of undoubted and probable Sanskrit or Sanskritic words. The probable ethnic significance of this I have discussed in an article in the Journal of the Bihar and Orissa Research Society (1923, Vol. IX, pp. 276–293).

# BIRHOR VOCABULARY.

#### A.

 $\bar{a}'$ . Bow (cf. M.  $\bar{a}'\bar{a}$ ).\* āben. You two. M. ābūng. To wash any part of the body. āchām. To marvel. wonder (cf M. ākadanda. āchū. To order: to employ. achur. To move round; crooked. āchhū. To sneeze (cf. M. achū'ū.) ād. To loose. ader. To take inside. Μ.

To micturate: urine (M. Duki). āgu. To take away. M. āji. Grand-mother. M. ājom. To feed. M.  $\bar{a}k\bar{o}$ . They. M. ālāng We two (I and thou ). Μ. ālāng. Tongue. M. To overflow älchü. (said of water). ālē. We. M. āling. We two (I and he) M. ām. Thou, M. āmbrū. Hog-plum. āndā. To boil andhrā. Blind. H.

In this list, the letter M. stands for Mundari, and when it appears alone after the meaning of a word it indicates that the same word is used in the same sense in the Mundari language. Similarly, H. stands for Hindi and B. for Bengali,

ängä. Morning (cf. M. āng.) āngōb. Mouth-hole. angur. Finger (M. Dārō.) ānjed. To dry up. ānrhonra. Pregnant monkey. anto. Then. M. ente. abe. You (more than two). M. āpegar. Quarrel. (M. Epeger.) āþir. To fly. ārānā. Yoke. ārā. Vegetable; to set free. M. ärgü. To descend; to bring down. M. ārid. To gaze, stare. M. ārō. And. (M. ōrō.) āṛū. Urine, to urinate. (M. Duki; Dōdō.) āsūl. To bring up, to support; to tame. āta. To fry. M. atar. To burn. M. āted. To spread. (M. urmi.) āten. To hear (cf. M. āyum.)

āting. To graze. M. atkir. To fly [with something ] (cf. M. atingir). Side. ātom. ātā. To be carried away [as, by waves] Μ. ātūr. To winnow corn . To take. M. āи. āuri. Not yet. M. āyā. His own. M. āvub. Evening. M.

#### B.

bāgi. Leave. (M. Bāge, bāgi.)
bāhā. Flower. M. bahin. Younger sister. (M. Buini.)
bahirā. Deaf. H. bāka. The front portion of the foot (including the toes.)
bākhānṛ. To talk; to describe (M. Bakānṛi)
bāklā'a. Tree bark. M.

, *bākli*. Heron, stork. M. Bākā. balimān. Strong *bālu*. Mad; lunatic M. bālē höpön. Infant; child. (M. Bāle hōn.) bāmre. Brāhman. M. bānā, bir-mindi, Bir-The bear būrhiā. (M. Bir-mindi.) bānām. Fiddle [M. Bānōm | (cf. Sanskrit, *Bīnam.* ) bānāō. To make. (M. Bāi, Bānāo.) bānār. Both. (M. Bārānā. } bānārsāth. Both sides: twice [M. Barāngsā.] bāndā. Embankment. M. (H. Bāndh.) bānā. Not M. Bānō. bāonā. Short. H. bāplā. Marriage, marriage-procession. (M. Bālā.) To scratch; bāþtā. witch; ringworm. (M.) Bābtā.) bār, bāre. Two. M.

bārē. Large. (H. Bārā; B. *Bārā*.) bārābāri. Equally, M. barhiāum. A carpenter. (M., Barāi.) bāru, kusum (seblechira trijuga) M. bāsiām, basi-māndi. Breakfast. bāu-honjhār. Husband's elder brother. M. bāyār. Rope. M. bedā. To deceive, to tell lies; false; a cheat. M. bejūt. Bad (M. Etkān) beler. Uncooked: raw. ( M. Berel.) benghār. Brinjal (M. Bengar.) benkō. Bent, crooked. ( M. *Beþdhō*, ) berā. A bracelet, M. *bēŗāo.* To spoil. (M.  $B\bar{a}gr\bar{a}o.)$ bes. Good. bet. Handle (of some instrument). Dāmīm; dāņļi).

bey. To spit; spittle. M. bhādul. The bat. ( M.  $Bhad\bar{u}r; H. B\bar{a}d\bar{u}r.)$ bheñt. To meet. M. bhingā. Separate (M. Bingā. bhitār. Inside. (M. Bitar ) H. and B. bhūs. A large rat. bhūsri. Mosquito. (M.) Hānrii.) bliūli. Day-labourer.M. bhū'. To make a hole (M, Bu'u.)bhū'ū. Bark of dog (M. Bu'u)*li*. To be satisfied with. ( M. *Bi*, *Biu*. ) bid. To plant. M. bihin. Seedlings | of paddy &c. | (M. Biānr.) bijūt Bad. bili. To ripen, ripe. M. bing. Snake. M. binti. To beseech. M. bir. Jungle. M. birāi. To tempt. M. birsukuri. Wild boar M.

birid. To rise, to get up. M, bish. Poison (M. Bisi) bisi-jāng. Spine M.  $b\bar{o}h\bar{o}$ . Head. (M.  $B\bar{o}$ ) bokā. Foolish, stupid. (M. Dondo.) Younger brobōkō. ther. M. bōlō. To enter. M. bongā. Spirit; a god. Μ. bor. A plaited strawreceptacle for grains M. bōrō. Fear. börököd. lungs. (M. Bōkōd. Timid; to bōrōey. fear. M. borsi. Fire-pan. (M.  $B\bar{a}\tilde{n}rsi$ ) boso. To rub, anoint ( M. Gōsō. ) botor. To frighten. (M. Botong.)būgi, būgin. Good. M. bukā. Navel (M. Būti) būl. To be drunk. M. būlū. Thigh. M. būlūng. Salt. M.

buru. Hill. M. The original signification would appear to have been 'god'. busu. Straw. M.

C.

chābā. To finish. M. chāhāp. To yawn (M. chab.) chāndu. The moon; month, M. chāpi. To wash up. M. chāpuā. Bellows. M. chābud. Husk; husk. M. A reed for chāri. sewing up leaves. chātā. To tear; rend. M. chātom. Umbrella, M. chāuli. Rice. M. chāyā; rõ. A kind of insect-pest which destroys paddy crops. (M. chāyā,) chē, chejā. Why. (M. chiā.) chenre. Bird. M. cheblā. Flat. ( M. chōþōd.)

chēntā. Envy. foolish. chetāu. Upon, above. Μ. chetāō. To advise, M. chi. What. M. chiāri. Arrow-head. chilekā. How. M. chilikan. What sort of. (M. chilekan.) chiminang. How much. chiþū. To squeeze. ( M. *chipa*.) chipūd. Handful. M. chirā. To split. (M. cherā. chirgā. To awake. chirgāl. To be awake;) cunning. (M. chirgal) chitri. Partridge. M. chōkē. A frog. M. chopod. To suck. (M. Chepod; jembed.) chūkā. A small earthen jug. (M. and H.) chūi. A calf. M. chūmā. To kiss. (M. Chū, H. & B. chumâ.) chūmān. Waving a light ceremonially. M. chūndal. To point with the fingers.

chūndi. A musk-rat. M.

chūndūl āngur. Forefinger next to the thumb.

chūril. To leap.

chūtūrā. Buttocks.

#### D.

da. Hive. (M. dāhā.) dā'. Water, M. dab. Hatch, covering М. dab-ruar. To repair. М. dāi, didi. Elder sister. dāl. To beat, to strike. Μ. dāli. Pulse. M. dāndā. A stick. M. dāngrā. Bullock. (M. Hārā. dangrā. Bachelor. M. dāpōm. To meet with one another. (M. Dapārom.  $d\bar{a}ri$ . To be able. M. dāru. Tree. dāļā. Tooth. M.

datrom. Sickle, M. de'. Climb. M. delāng. Come along. (M. Delā) deyā. Back. M. dengā. Assist. deonrā. Magician: witch-doctor, M. derē, deprē. To have sexual intercourse. Μ. dhāngā, Tall. B. dhāngrin. Spinister. (M. Dhāngri) dhānk. Drum. M. *dharti.* Earth. M. dhichua. The kingcrow. M. dhīmak. Proud. dhing. Young. dhinki. Rice-cleaning pedal. M. dhūkū. Knee-joint. (M. mukuri.) dhūnā. Resin. (M. Dūān.) dhürā. Dust. M. diju. To walk. dinaki. Daily. M. dindā. Virgin. M.

dipil, dūpil. To carry upon the head. (M.  $D\bar{u}pil$ , dipli. Time. M. diri. Stone, M. diring. Horn. M. dōhōe. To place, keep. ( M.  $D\tilde{o}'$  ) dol. Lower porton of an arrow-shaft. döläng. Go. dolābu. Let us go. dolob, upāsh. Fast; to fast. M. duār. Door. (M. Durā; H. & B. Duār) dūbhā. Brass-cup. (M.) and H.) dūbrā. Weak. (H. dubla.)  $dar{u}dram$ . To doze. dūkū. Pain, sorrow.M. dulār. Beloved. (M. Dulār. dundū bing. Dhonrā snake. M. dūrāng. Song; to sing. Μ. duriā. Plaited thread. Μ. Dūrūb. To sit. (M.  $D\bar{u}b.$ 

durūm; dūdūrūm. To be drowsy, to sleep. M. dutām. Match-maker. M.

# E.

e.' Lac. M. eger. To abuse, M. eklā. Alone. (M.  $k\bar{a}r.$ eklā'. To tremble. M. em. To give. em ruāŗ, To return a thing. M. en. To thresh. Thereabouts. endrej. Day after tomorrow, M. (Miang endre. two days after to-morrow. ene. To dance. (M. รนิรนิก. engā merom. She-goat. Μ. engā sādom. Mare M. engā sim. Hen. M. enreo. Even. M.

epger. Quarrel, to quarrel with each other. (M. Epeger, Eperang.)
era. Adult female. M. etā. Different. M. etē. Beginning. M. ete'. To tease. M.

F.

fesiār. To hoax; cheat; a cheat; a liar. M. phōksā. Lungs. (M. and H.)

G.

gādel. Crowd. M.
gādi. Dumb.
gādi. By the side of.
(M. Genā.)
gadlē. A water weed.
(M. Gāded.)
gālāng. To weave. M.
gām. To agree; to
promise; to speak.
(M. gabāo.)
g m. To rain. M.
gāndū. Low stool. M.

gāpa, To-morrow. M. gārā. River; stream. gārī. A monkey. M. gāti. Friend, companion. M. qa'ui. To make a sign. Μ. ged. To remove the entrails; to cut meat I. M. gēgē. To cut. gejā. Quarrelsome. gēlē. Ear of corn. M. ger. To bite. (M.  $Hu\bar{a}$ . gerāng. To groan. M. get. To cut. (M. Hād) ghāni. Oilpress. (M. Ghandi, H. & B. ghāni. gidhi. Vulture. (M. Gid. Gidi gil. To cuff; fist. M. giri. To throw down. Μ. gitij. To lie down, to sleep; sleep. M. gitil. Sand. M. qō' To carry. M.  $g\bar{o}d$ . To pluck a fruit. M.

go'e. To die. M. gondli. The grain banicum malabara-Μ. сит. gonong. Price, cost. Μ. got. Herd of cattle; (M. & B. H.); place where cattle is herded. götä. Round. gōtā. To scratch. Snail. (M. güngi. Gurtu.) gūrū. Field-rat. M. gūrgudū. Arm-pit. (M. Götē.) güchü. Beard and moustache. M. aūl. Whistle. Gote. \  $g\bar{u}m$ . To winnow, M. gūrij. Dung of cattle.

H.

hāgā. Brother, M. hāgā kimin. Younger

brother's wife. M. hāke. An axe. M. hāku. Fish. M.  $h\bar{a}l\bar{a}nq$ . To pick up. hāmbāl. Heavy. M. hāngā. A large ditch. (M. Hāngi.) hānhār. Mother-inlaw. M.  $h\bar{a}nred$ . To shut. (M. Hanted.) hāñru, sinkri. Mosquito. M. hanting. Part; share. M.  $h\bar{a}p\bar{e}$ . To be silent. M. hārā. To grow, M. hāram, Old man. M. hārām-herel. The wood-pecker. The Indian hārbā. scaly ant-eater.  ${f M}.$ hārhad. Bitter. (M.  $H\bar{a}rad.$ hārōm. To collect. M.  $h\bar{a}r\bar{a}b$ . To be cured.M. hārtā. Leather; hide. hāsā. Clay, earth. M. hāsū, III; illness. M. hāsur. Setting of the Sun or the Moon. M.

hātāng. Brain. M.

hātlē. Arm-pit. (M. Gote.hāting, hānāting. To share: to divide. hātom, Father's sister. Μ.  $h\bar{a}y\bar{a}$ . Lust; desire. M. hēbē. To carry [e. g. a child astride at the waist. (M. Hebep.) here. Chaff. M. *herel*. Adult male. M. herem. Sweet. M. higar. To separate from a mass or herd. M. hiju. To come. M. hilāng. Hate (M. Hilā, hilāng.) hili. Elder brother's wife. M. hirchi. To sprinkle. M. hisir. Necklace. M. hōhō. To call. hōkā. Hang up. M. hōla. Yesterday. M. hōn. Son. M. homoing. A female monkey with a young one at its back.

hōpōn. Small.  $h\bar{o}_{r}$ . Man. (M.  $H\bar{o}_{r}\bar{o}$ ) (Sāntali Hōr.) hörā. Road, M. hörmö. Body. M. horomsi. Honey (M. Hurumsuku. hōyō. Wind, M. hoyo āndhi. Storm. hôyo. To shave. M. hōyōn. Shaving. hūchā. To break. (M. chōā.) Paddy (M. hūrū.  $B\bar{a}b\bar{a}$ .

I.

iām. To weep, M.
ichā, iti. To pinch.
(M. Ichū.)
ichā-hākū Prawn. M.
idi. To take away; to
carry.
idū. Perhaps.
idūn. Who knows!
Don't know. (M.
Idurō)
ihim. Bile-bag, liver.
(M. Imi-ār.)
ii. Stools. B.

Ii: Tandi. To ease oneself: stools. Ili. Beer made from rice or other grains. M. Imis. Then (M. Imtang, imtā.) Ina mente. Therefore, for that. (M. Enā mente. Ipil. Star. M. Ipir-piung, bhāg-jōgni. Glow worm, fire-fly. Μ. Ir. To reap. Irgi Heel (M. Indkā.) Iri'. To quench (M. Erenj. Iriul. Husband's vounger brother (M. Iriul-korā. Iriul-kuri. Husband's younger sister (M. Iriul-kuri.) Isin. To cook. M. To pinch; pinching. Itil. Fat; fatty. M. Itir. To rub; shampoo.

J.

Jā. Perhaps. (M.  $Der\bar{a}ng.$ Jāhāi. Any one (M. Jetāi.)  $J\bar{a}h\bar{a}n\bar{a}$ : ) Any- $J\bar{a}han jetan$  thing. (M. Jetānā.) Jāha-lekā. Of some sort (M. Jelikā.) Jaikorā. Son's son; daughter's son. M. Jaikuri. Son's daughter: daughter's daughter, M. Jalting. To fly about: hover about. M. Jānāo. Always. M. Janrhum, Nightingale. (M. Chepō.)  $J\bar{a}ng$ . Bone; seed. M. Janjid. Bamboo fishing trap. M. Jānum. Thorn. Jāoā. Twins. (M. Juri. Japid. To close the eyes. (M. Japid.)

Jārgi. Rainy season. ( M. Jargi; Jārgi-sā. ) Jārūm. To ripen. (M. Jarom.) $Jerk\bar{a}$ . Joined (as two fingers or two fruits) [M. Jirki.] Jeter. To dry in the sun (M. Jeder.) Jhāli. Net.  $J\bar{a}l\bar{o}m$ , Jhōla. Scorch, roast.  $(M, R\bar{o}.)$  $Jhump\bar{a}$ . Cluster,) bunch. (M. Jhumpā.) Jhūr. A bower; bush. ( M. Jhumbār.) Ji. To smell (active.)  $Jijil\bar{a}t$ . To slip by the foot. [M. Jilad; chūpād ] Jik. Porcupine. (M. Jiki.) Jiling. Long. M. Jilu. Flesh, (M.) Deer. Jinēd. To live (Jid) Jirūb. To warm oneself in the fire. M. Jirāo. To take rest.  $J\bar{o}$ . Fruit; to bear fruit. M.

 $J\bar{o}$ - $\bar{o}$ . To sweep. M.  $Joh\bar{a}$ . Cheek. (M. Joā.  $J\bar{o}h\bar{a}r$ . To salute. M.  $J\bar{o}j\bar{o}$ . Tamarind; sour. M. Jokhā. Equal. (M.  $Jok\bar{\alpha}$ .) Jom. To eat, M.  $J\bar{o}m$ -ti'. Right hand. Μ. Jonrā. Maize (M. Jon $h\bar{a}r$ ;  $Jondr\bar{a}$ .) Jono. Broom. M. Jonorão. Joint. (M. Jonore.) Jori. Equal. (M. Juri. H. Jori. B. Juri, Jorā.) Jörö. To leak. M. Jōt. To wipe off. (M.  $J\bar{o}d.$ Jota. Equal. M. Jöted. To touch. (M. Jutid. Joter. To dry in the sun. (M. Jeder.) Jūl. To kindle. Gluttonous. Jumri. (M. Jumbri.) Jūrū. Creeper.

Jūrūpūţū, Too old to walk properly. (M. Jōrōi-pōţā.)

# K.

Kāhū. Crow. ( M. Kau. Kālōm. Ensuing year. Μ. Kāmi. To do, work. M. Kāmni. Female labourer. (M. Kāmri.) Kāpi. Battle-axe. M. Karbā. The handle of a plough. M. Kārē. Oil-cake. M. Kāshā. Acid. Heben.  $K\bar{a}$ 'som. Cotton. M. Kāṭā. Foot, leg. M. Kārtāl. Cymbal. M. Kātā-tālkā. Sole of the foot. M. Kātū. Finger. M. Khāli. Empty. Khārā. To expectorate. Kharchā. Money: food. (M.) H. & B. kharchā. kharach,

expense. Kharpā. Wooden slippers. (M. karpā.) Khātkhatā. Beefsteak bird. M. Khis. Anger. M. Kichri. Cloth. M. *kidü*'. Evening star. Kimin. Son's wife; brother's vounger wife. M. Kiring. To buy. M. Koē. To ask. Köer. Plum (M. Dödāri.) Kökör. Owl. Körhi Idle. Kötlëy. Jute plant. Kōyōna. To take | a child on the lap. M. Kūd. To carry e. g. a child on the back. M. Kūhūra. Frog. (M. Kūhāsi.) *Kūlā*. Tiger. M. Kūli. To ask. M. Kūm. A big earthen vessel. Kumburū. Thief; to steal, M.

Kümkāl, kümbhār. A kind of fly which makes small burrows into walls. Kūmū. Dream. M. *kūndurām*. Chest (M.)  $K\bar{u}r\bar{a}m.$  $K\bar{u}p\bar{u}l$ . Relation; guest. M. Kurā. To roll up. M. Kurai. Wages. M. Kūri. Woman. Kūri hōn. Girl. To grind; Kūtām. hammer.

#### L.

Lāchō. Upper lip. M. Lādi, Load, M.  $L\bar{a}h\bar{a}$ . Increase, exceed. M.  $L\bar{a}hi$ . Stomach, belly. M. Lāi hāsū. Stomachache. M.  $L\bar{a}nd\bar{a}$ . Laugh. M. Lāngrā. Lame.  $L\bar{\alpha}p$ . Handful: M.  $Lar{a}par{a}ndar{a}$ . To interchange smiles or laughs,

Lāprāi. To fight with one another. M. Lāpūd. Chicken pox. M. Lät. Cave (M. Lātā, tāpāngā.) Lātāb. To clip, (M. Lātāb lānātāb, Scissors; to clip.) Lātār, Below, M. Lētum. A mouthful. *Lēbē*. Soft. M. Lekā. Like. M. Lel. nel. To see. (M. Nel.) Lel-be**r**ā. To look about. (M. Nel-berā, hetā-berā.) Lel ruar. To look behind. (M. Netaruar. Lendād. Earthworm. M. Leser. To sharpen. M.  $L\bar{e}y$ . To put out the tongue. M. Limbir. Cloud. (M. Rimil.) Lingi. To flow. M. *Lipi*. The sparrow. M. Lo'. To burn. M. Loā. Fig. M.

Lohot. To be wet; Wet.  $(M. L\bar{u}m)$ Lōlō. Hot; warm. M. Lopod. Wet. ( M. Lōpūd.}  $L\bar{o}s\bar{o}d$ . Mud. M. Lōyōng. Low-lying rice-field. M. Lūdām. A kind of tree. M. Lūlūhā, wrist. Lūmām. Silk-worm. Μ. Lündi. A ladle, M. Lüpü. Husk of rice. Μ. Lūpū-mūi. A kind of small ant. M.

## M.

Mā. Day. M.
Mā'ā. To cut. M.
Mād. Bamboo. M.
Madkām. Bassia latifolia. M.
Māhā. Last year. M.
Māhānder. Day before yesterday.
Mailā Dirty, dirt.
Mā-mā'. Well! (M.
Mār.)

Mānchi. Chair. M. Māndā. Cough. M. Māndi. Rice. M. Mānhāl. Flat bean. ( M. Malau, ) Mani. Mustard seed. M. Māpārang. Big, M. Māpā tūpūin. fight with cutting weapons. M. Mārang. Big; Large. M. Marchi. Red pepper. Mārmār; dhāori mārmār. Scorpion (M. Mārmār.) Māri. Old [things] M. Māri-māritē. Slowly. M. Māroā, māndoā. earthen platform for ceremonial purposes. M. Marsāl. Light; sunlight. M. Māyom. Blood. M. Meang. Day after tomorrow. (M. Miāng.) Meāng endrej. Two

days after tomorrow.

Med, Eve. M. Eye-Med- $kar{a}ndar{o}m$ . brow. M. Men. To say, M. Mentē. To that place (M. Ente.)Merōm. Goat. M. Miā. One. (M. Miād, Mia.Mid-jang. Very little. (M. Itij torang) Mina, Mini. That. (M.  $En. En\bar{a}.$ Mindi, Sheep. M. Miru. Parrot. M. Misā. Once. M. Misā-misā. Sometimes. M. Misāte. Together. M. Misi. Sister. M.  $M\bar{o}$ . To swell, M. Mōchā. Face. M. Mölöng. Forehead. Μ. Mū. Nose. (M. Mūhū.) Mū-bhū. Nostril. (M. Muhu-ūndū. Mui. Ant. M. Mūkūing. Tired, satiated, anxious. M. Mūkūri. Knee. M.

Mūlū. New moon. M.
Mūni, oni. He. (M.
Ini.)
Mūnū. Beginning. M.
Mūrūd. Parās tree. M.
Mūrūm. A species of
deer. M.
Mūtūl khūnṭā. Central
post of a hut.

# N.

Nāchā, dōriā nāchā. False hair, M. Plough. M. Nāhel. Nājōm. Wizard. M. *Nāki*'. Hair comb. M. Nālhā. Wages. (M. nālā.\ Nām. To search. (M.): To find. Nānhā. Thin. (M. Naub. \ Nārādurā. Weak. M. Nāri. Pulse. M. Nāri. Creeper. M. Nārkā. To wash the head with mud. M. Nāsi-sāri. Falsely. Nel, lel. To see. M. Nel-urung. To discriminate. M.

Ap-Nenda, Nera. pointed time. Nidā. Night. M. Nidir. White ant. M. Nighā. Axle. M. Ni'i. Open. (M. Nij, nig.) Nimidō. Now. (M. Nādō, nā.) Nimin, nimināng. So much. M. Ninkā. So ( M. Enkā.) Nir. To run; to flee. Μ. Nirāl. Good-looking; beautiful. (M. Niral.) Nir, nipir. To run. M. Niurā. Mongoose. M. Noe. This. (M. Ni.) Nondo. Here. (M. Nere.) Noto. On this side. Hither. [M. Netē.] Nū. To drink. M. Nūāte. From here. (M. Neātē.) Nūbā. Dark; darkness. M. Nuā-lekā. Like this. (M. Nelekā.)

Nūnū. Breast of a woman; milk. (M.) to suckle, to give a a drink.

Nūrā. To wash clothes. M.

Nūtūm. Name. M.

0.

Okoā. Whose, M. Who (M.) Okōē. (absolute.) Om. To give. M. To grow, Omön. spring up. M. Onā. Other. (M. Eṭā.) Ong. To blow (as with the mouth.) M. Copulate: Optong. intercourse. sexual (M. Dērē, depērē.) Or. To drag. M. Orā. House, M. Orey, Orej. To break, to tear. M. Orong. To blow a pipe. Ota'. To open. M. Otang. To fly. M. Otē. Earth, land, M.

Otong. To follow. M.

P.

Pachhtae. To repent. M. Pādā. To kick (M. Phādā.} Pāghā. Rope. (M. & H) Pāichā; ūdhrā. Loan for a short term. M. Pāinā. A goad. (M. Painrā. Pāṇdu, White, M. Pāṇḍū-bing. Cobra. M. Pāṇṛki. Dove. (M. Pütām, ) To split (M. Pāṛā. Phārā'. \ Pārkom. Bed stead; string-bed. M. Pārōm, To cross; across. M. Pasrā. Smithy. M. Pāṭā'. To lay crosswise; to throw another down by inserting one's leg into that other's legs. M.

Perej. Full. Pețej, Pete hūrū. Chaff. (M. Pete bābā.) Phāl. Ploughshare. (M. Pahal.) Phandil. To rebound. (M. Pandil.) Pharich. Neat, clean. (M. Pharchi,) Pheriä. Clear. Phiri. Shield. M. Phōnka. A hole, to open out. (M. Pon $k\bar{a}$ .) Piāj. Onion. (M. Piājō.) To follow. Pichhā. (M. Pichā.) Spleen (M. Pilāhi, Pilhi.) Pinngi. Veranda. M' Pini'. Bow-string. Pipini. Eye-lashes. M. Pitid. To spin cotton. M. Pöklıar. Tank. (M. Pukhari. Ponde. Dirty water. (M. Börā.) *Potom*. A bundle (of

grains &c.) packed in straw. M.

Pūguri. Pocketmoney. M.

Pūndi. White. M.

Pūrā. Much. M.

Pūrū. Leaf-cup. M.

Pūsi. Cat. M.

Pūtrid, Puri. Froth.

(M. Pūtrid.)

#### R.

Ra'. To cry; to call. Μ. Rābāng. Cold. M. Rābāng din. Cold season. Rāchā. Courtyard, open space before a house. M. Rākāb. To climb up. Μ. Rāmā. Nail. M. Rāmrā. Phaseolus. M. Ranga. Red. Ranu. Medicine. M. Rāþā. To burn. M. Rābūd. To break a hollow thing (e. g. a pot.) M.

*Rāsāo*. To be morose: to be beside oneself. Rātāng. Frost. M. Rāwāl. Light; easy. Μ. Rear. Cold. M. Rehed. (M. Root. Red.) Rej. To snatch, to rob. M. Rekāe. To do. ( M. Rika.) Rengē. Hunger; hungry, poor. M. To grind in a · Rid. stone. M. Rim. To lift. M. Ringa. Famine. M. Rini. Debt. M. Rimil. Cloud. M. Rimil-sāri. Thunder. Μ. Riring. To forget. M. Rohör. Dry. M. Roko. A fly. M. Ril. To beat a drum. Μ. Rūā. Fever. M. Rūar. Return. M. Ruknā. Chisel (M. & H.) Rūnu. To tremble. M. Rărung. To poke or give a thrust, as with a stick.

S.

Sā. Side, direction.M. Sāb. Seize, hold. M. Sādom. Horse, M. Săgri. Cart. M. Sahan. Fuel. M. Sähet. Breath. (M. Sāiād.) Sāil. Wild buffalo. M. Sākam, Leaf, M. Sāki. Namesake. M. Sākōā. Conch: trumpet. Sākōm. Bangle. M. Sālāngi. High. M. Sāmā. Gratis; empty. M. Sāmāgē. Empty; with empty stomach. M. Sambaō. To put in; arrange. (M. Sānju.) Sambir. To lie on the back; lie with face upward, M. Sāmrāo, (Prepare: pre-Saprão (paration.

Sāmrōm. Gold. M. Samuchā. All; whole. M. Sāmūtā. Sanam. All. Sānāing. Wish, desire. (M. Sānāng.) Sängen. Put forth new leaves; new . leaves. M. Sāngil. To gaze, look up. M. Sāngin. Distance, far. Μ. Sānr. Bull. M. Sānrē-sim. Cock. Sānri bhākor. A male monkey. Sāsang-lekā. Yellow: lit., like turmeric. M. Sāphā. Clean. Sar. Arrow-head. M. Săriōm. Shorea robusta tree. M. Sa'rmā, sārmi. Roof. (M. Sarmi.) Sări. To know. M. Sarte. True. (M. Sarti.) Sāri. Sound, voice. M. Sasān. Burial place. (M., B., H., S.)

Sāsāng. Turmeric. M. Sāset. To persecute. (M. Sasati.) Sāuri. Thatchinggrass. Sehel, Sehel-kūti. hollow embedded in the floor for husking rice, M. Sen. To go, M. Sengel. Fire. M. Ser. To melt. M. Sered. To pound. (M.) Siled, to mix.) Setā. Dog. M. Seta'. Morning. M. Sibil. Sweet; tasty. M. Sikhā. To learn (M. Itūn.) Sikhāo. To teach. (M.) Itu.) Sikid. To scratch. M. Sikri. Chain. (M. Sinkiri.) Sim. Fowl. M. Sim-hön. Chicken. M. Sindur. Vermilion. (M. Sinduri,) Sing-böngā. Sun-god) God, M. Singi. Day, the Sun.

Singi hasur. The West, sun-set. M. Singi-rākāb. (The east: Singi-turo. \Sun-rise. Μ. Sipūd. To blow the bellows. M. Siring. Song, to sing. (M. Durāng.) Sirmā. Sky. M. Sisir. Dew. (M. Sisirdā.) Sithed. Wax. (M. Situād. Sitūng. Heat (particularly of the Sun.) M. Situng din. Summer. Siu, Si. Plough. M. Sō. Smell, to smell (passive.) M. Sõj. Straight, M. Sondro. Pus. M. Song. To measure. M. Sopāo. To place in charge. M. Soro. To close doors with a bar; door-bar Μ. Sorōi. To whip; to beat.

Soță. Cudgel. M. Sūbā. Under (particularly, under a tree.) Μ. Sūhūd. A spring. M. Sūkū. Happy, happiness. M. Sūkūl. Smoke. (M. Sünküd.) Sūkūri. Pig. M. Sūlij. Mucus of the nose; snot. Sūnum. Oil. M. Sünütü. Younger brother. M. Sübid. Chignon. M. Sūpū. Upper arm. M. Sūrsā. To bolt a door. М. Surtā. To turn on the side when lying down. M. Sasar. To serve. M. Sūsi. Opportunity. M. Sūsūn. Dance. M. Sutām. Thread. M. Right mind: sane; come to senses after intoxication or a fainting fit. M.

Sōsō. Marking nut. M. Sūed. To mix up. Sōṭā. Cudgel. M. (M. Sūid. To mix Sūbā. Under (partiup.)

#### Т.

Tāben. Flat rice. M. Tāber. To stoop, to lie with face downward. M. Tāenōm. After: behind (M. Taiom.) Tāenom-sā. Back-side (M. Tāiom-sā.) Täher. Cucumber. (M. Tāihār.) Tāhi. To remain. (M. Tāin.) *Tākā*. Rupees. M. Tākūi. To spin. M. Tālā. Middle. M. Tālā-nidā. Midnight. М. Tāndā. Settlement: encampment. Tangilā. A small axe. (M. Tonge.) Tāran. Shoulder. M The biar Tārōb. ( Buchania latifolia) tree. M.

Tāsing. Afternoon. M. Tāsi. To spread. M. *Tăthi*. Earthen lamp, M. Tāyād. Place, M. Tekād. To bar, M. To receive in the hand, M. Tendā. Rice-gruel. Μ. Teng. To weave. M. Tenjang. Elder sister's husband, M. Tenro. A small spotted species of leopard М. Teö. To fry. M. *Terej*. Third day after tomorrow. Tetäng. Thirst. M. Tēte', Moonlight (M. Tetej.) Thāukā. Right. M. To bask in Thekrej. the sun. (M. Theker.) Ther. Thunder-bolt. Thor. To understand, know. M. Thör. Beak. M. Thūkūri. To collide Μ.

Thūniāo. To aim (e. g. an arrow) [M. Etel.] Ti'. Hand, M. Tihing. To-day. (M. Tising, ising.) *Ti-jhumþā*. Back of the hand. Tiju. Worm, insect. Μ. Tikin. Midday. M. Tilāe. Kettle. (M. Chelo. Ebony. Tilir. Tiril) Tilming. A kind of oil-seed; linseed. M. Tinjla. To stretch the legs. (M. Tinjul.) Tipā'. Drop. M. *Tir*. Arrow-staff. Tirio. Flute (M. Rūtū. ) Tirub. Bow down the head. M. Ti-talka, Palm of the hand. Ti-thāþŗi. Clapping the hands. M.  $Tar{o}'$ . To hit.  ${f M}_i$ Toā. Milk. M. Tobē. Then, M.

Tōhot. Sprain. (M.  $T\bar{o}t$ ). Tol. To bind. M. Tonang. Small jungle. Μ. Töndöm. Knot. (M. Tōnōng.) Tōre'. Ashes. (M. Törej.) Totā. Snapping [as, of a rope. *Ţōtē.* Arrow-shaft with a wooden knob at one end. M.  $T\bar{u}d$ . To uproot; pull up. M. To walk Tūghrā. slowly.  $Tar{u}i$  . shoot To an arrow. M. Tūilā. A stringed instrument. M. Tūiyū. Jackal. M. Tūkū. A pestle. M. Tülä. To weigh. M. Tumbal. To glean. M. Tumbid. To fall down with face downwards Μ. Tūmda. A small drum (M. Dimang.)

Tāṇḍāng. To creep. M.

Tāṇḍū. End. M.

Tāṇḍū. To steep in water. M.

Tūpkūri. Collision. M.

Tūr. Squirrel. M.

Tūram. (Wooden) pillar. M.

Tūtkūn. Cold. M.

Tūtūkā. Back of the neck. M.

#### Ų

Ub. Hair. M.
Uchūng. To poke with the elbow.
Ud. To Swallow; M.
Udū. To inform, tell.
(M. Udūb.)
Udūr. To push (M.
idūr, iting.)
Uihār. To remember.
Uiyū. To fall. M.
Ukū. Elbow. M.
Ukū. To hide; secret.
M.
Ukrūm. To kneel. (M.
Ikrūm.)

-: 0:•

Ulā. To vomit. M. Uli. Mango. M. Um. To bathe. M. Umbūl. Shade. M. Undu. Narrow hole. To stoop, Ungüd. bend. M. ( M. Yonder. Hān, hāni. \ Uplāo. To float. M. Ur. To dig. Urgum. Tepid. M. Urher. To entice away Urū. A species of

Urūm. To feel, to recognize. M.
Urūr. To fall down. M.
Uskūr. To excite, to poke (e. g. fire.) M.
Usū. Lean.
Usūr. To irritate; to be angry. M.
Uyū. To throw. To bring down. (M.
Huāng, hūtmā.)

black bee. M.

#### APPENDIX II.

### Census Figures for Birhor Population in 1911 and 1921.

The total Birhōr population in 1911 was 3,085 (1,489 males and 1,596 females.) Of these there were 1,024 in the Hazaribagh District, 927 in the Ranchi District, 104 in the Manbhum District and 27 in the Palamau District, and 745 in the labour districts and States outside Chota Nagpur.

The total Birhōr population in Chota Nagpur dwindled down to 1,510 in 1921.

Birhor Population in 1921. Their distribution by districts is shown in the following tabular statement:-\*

District.	Males.	Females.	Total.
Hazaribagh.	297	285	582
Ranchi.	181	193	374
Palamau.	23	23	46
Manbhum.	65	63	128
Singbhum.	183	197	380
Total in Chota Nagpur.	749	761	1510

<sup>\*</sup> Unfortunately the Indian Census Report for 1921 omits the statistics for Birhor population; and so no statistics for Birhor population outside Chota Nagpur is available.

# APPENDIX III

Anthropometrical

Measurements

Sf.

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#### APPENDIX IV.

#### Size and Sex of Families.

From the Census figures for Birhor population, we have seen that there is a slight excess in the female population over male population. The following statistics of the size and sex of the families in one Birhor settlement might seem to indicate that the first-born child of a Birhor is generally a female. But for accidental death and loss of life through wild animals, particularly tigers, the Birhor, and in particular, the Jaghi or settled Birhor, is fairly long-lived. The excess of the female population over the male population may perhaps be partially traceable to the greater loss of life amongst males through wild animals. Thus, in one family of the Bhūiya gotrā I found that two out of three brothers had been killed by tigers. And the genealogies of several families that I gathered showed cases of similar untimely loss of life through tigers.

- 1. Dibru (male) of the Ludambā clan, now aged about 60, was married at the age of 24 to Budhni three years younger, and in 36 years of married life, has had 2 sons and 6 daughters, of whom all except one daughter are living. The first-born child was a daughter.
- 2. Sukhlal (male) of the Lupung clan (now aged about 52) was married at 28, and in 24 years of effective married life, has had 4 sons and 5 daughters of whom all except one son are living. The first-born child was a daughter. His wife Chunia (of the Andi clan) is now about 48 years old.
- 3. Burkā (male) of the Andi clan, now aged about 32, was married at the age of 25 to Koili of the Lupung clan (now aged about 29) and in 7 years of married life has a male child who is now living.
- 4. Mangal (male) of the Andi clan, now aged about 45, married at the age of 25 Pairo of the Hembrom clan, now aged about 43, and in 20 years of effective married life has had 1 male child and 5 female children. Of these all but one

female child are living. The first-born child was a female.

- 5. Lālkā (male) of the Samdhōar clan (now aged about 42) married at the age of about 22 Birsi of the Hembrom clan (then aged 20) and in 16 years of effective marriage had 7 male children and 3 female children by her, and on her death, about 4 years ago, again married Sumri of the Lupung clan and has one male child by her. The sex of the first-born by his former wife was also male.
- 6. Asman (male) of the Bhūiya clan, now aged about 26, married at the age of 22 Somri of the Nagpuria clan (then aged about 20) and has had one male child, who is living.
- 7. Etwa (male) of the Bhūiya clan, now aged about 39, married at the age of 22 Radha of the Murum clan, about three years younger than himself, who deserted him within a year of marriage, and the next year he married Bhinsāria of the Ludambā clan (now aged about 25) by whom he has had 2

male and 2 female children, all living. The first-born was a male.

- 8. Chaitu (male) of the Bhuiya clan now aged about 23 married, 2 years ago, Chaiti of the Murum clan and has yet had no child.
- 9. Pusua (male) of the Ludambā clan, aged about 26, married at the age of 18 Budhni then aged 16, (who is the daughter of a Munda father by a Birhōr wife), and in 8 years of married life has had only one female child who is living.
- 10. Koro (male) of the Murum clan, now aged about 29, married, at the age of 25, Genda of the Lupung clan three years younger than himself, and in four years of married life has had only one female child who is living.

female child are living. The first-born child was a female.

- 5. Lälkā (male) of the Samdhōar clan (now aged about 42) married at the age of about 22 Birsi of the Hembrom clan (then aged 20) and in 16 years of effective marriage had 7 male children and 3 female children by her, and on her death, about 4 years ago, again married Sumri of the Lupung clan and has one male child by her. The sex of the first-born by his former wife was also male.
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THE END.

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Sir Arthur Keith, M. D., F. R. C. S., L. L. D., F. R. S. Conservator of the Museum and Hunterian Professor, Royal College of Surgeons of England, in *Nature* (London; April 1922).

The Lectures form one of the best introductions into the study of anthropology in the English Language.

Dr. R. R. Marett, M. A., D. Sc., Reader in Anthropology in the University of Oxford, in *The London Mercury*, (June, 1921)—\*\* A most learned and lucid epitome of the methods and results of the study of man, prehistoric and present, considered on his physical side. \*\*\*

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