

ZOOLOGICAL GEOGRAPHY.

MAMMIFEROUS ANIMALS: ORDERS RODENTIA AND RUMINANTIA.

SECTION I.—RODENTIA (GNAWING ANIMALS). BY GEO. R. WATERHOUSE, ESQ.

IT will be perceived, upon inspecting the List of the Species of Rodents, and the tabular arrangement displaying their geographical distribution and classification, that the species of the same group most frequently have a wide range in the same, or nearly the same, parallels of latitude; but when the species are inhabitants of the high ridges of mountains, they will follow the course of the mountains, though that course may be in the opposite, or north and south, direction.*
Examples will be found of groups which are for the most part confined to the higher latitudes, reappearing again in low taltitudes, but at great elevations.* It will further be perceived, that the great mass of the South American Rodents parts of the New.—Family Scurgams. All the abernat forms of the Sciencial Rodents are continued to the surface of the continent. Two or the New.—Family Scurgams. All the abernat forms of the Sciencial Rodents are continued to the surface of the group will be found of groups which are most common to the surface of the group and that of the groups of islands comprehended under the head Polyneaus, these islands having no representatives of the order for deating, at least none but such as there is good reason to believe have been introduced by slipping; whilst the different Examples will be found in the groups of islands comprehended under the head Polyneaus, these islands having no representatives of the order for deating and in the groups of islands comprehended under the head Polyneaus, these islands having no representatives of the order for deating and in the groups of islands comprehended under the head Polyneaus, these islands having no representatives of the order late groups of islands comprehended under the head Polyneaus and the groups of islands comprehended under the head Polyneaus in the groups of islands comprehended under the head Polyneaus in the groups of islands comprehended under the head Polyneaus in the groups of islands comprehended under the head Polyneaus in the groups of islands compr

	TABLE I.—SHOWING THE DISTRIBUTION OF RODENTIA OVE														AMERICA. AUS- ZOOV PROVINCE THE MAIN																																	
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FAMILIES AND Genera or RODENTIA, WITH THE Number of their Species.	Great Britain.	Scandinavia,	Russia, Poland, and Caucasia,	France.	Germany and Switzerland.	Iberian Peninsula,	Italy, with Isles.	Turkey and Greece.	Siberia,	Tartary.	Mongolia and Mantchouria.	Asia Minor and Syria,	Arabia, Persia, Afghanistan.	China,	Japan,	Hindoostan and Ceylon.	Himalayan Countries- (Tibet, Nepaul, Bhotan, Assum.)	Bastern Peninsula,	Sumatra,	Java,	Borneo.	Remainder of Indian Isles.		Egypt.		Abyssinia,		Madagascar,	Briffish Amor Groonland	United States	umbia,		Central America, West Indies.	Columbia, Guayana.	Brazil,	via, Chile.	Paraguay.	Patagonia,	Van Diemen's Land.	erica.		Asia, without East Indies.	Central and S. America.	Africa,	S.	Australia and Van Diemen's L.	OLD WORLD.	NEW WORLD.
I. SCIURIDÆ, 153 1. Sciurus, 91 2. Pteromys 20 3. Anomalurus 2 4. Tamias 8 5. Spermophius 21 6. Arctomys 8 7. Apludontia 1	1	1 1	2	1	1 1 1	1	1 1	3 1	9 1 1 1	2	2	3 1	3 1	6 6	3 1 2	6 3	15 7 6	19 17 2	13 11 2	11 7 4	11 10 1	5 4 1	1 1		. 4	4 1: 4 10 2	2 2	1	15	12 1	11			4		3				24 3 6 11	2 4 2			18 16 2			94 57 17 2 2 10 5	59 34 3 6 11 3
8. Castor 2 (SITUATION UNCERTAIN) 166 9. Dipodomys 1 10. Macrocolus 1 11. Heteromys 2 12. Saccomys 1 13. Perognathus 1 14. Geomys 10			i	i	i			1				-1	: : : : : : : : : : : : : : : : : : : :																2	· · · · · · · · · · · · · · · · · · ·	2	3 1 1	2 1 1	1 1 1						1311111119	i	i	3					1 16 1 1 2 1 1
II. MURIDÆ, 306 Sect. 1. Myoxins 10 16. Graphiurus 2 Sect. 2. Dirodoxa 17. Alactaga 8 18. Dipus 6 19. Jaculus 1 20. Pedetes 1			36 3 · 2 3	3	3	2 .	2	2	2	17	1 1	11 1	2 1 1	3	1	17	8	6	6	6	2		1	2 1: 	5 1:	. 1	_			28		3	5	2	39 1		7 1	20	:	39	4 4	61 2 6 4	77	75 2 5 2 2 2 2 1	27 2	. 1	95 1	10
SECT. 3. CTENODACTILINA. 21. Ctenodactylus 1 SECT. 4. MUEINA. 22. Sminthus . 3 23. Mus . 3 24. Mus (Isomys, Sundey.) 2 25. Mus (Akomys, I. Geoff.) 3 26. Mus (Golunda, Gray) 1 27. Mus (Yandeleuria, G.) 1 28. Mus (Nesokia, Gray) 2		1 5	2 7	5	6	6	6	5	2 6	1 3	2	5 . 1	3 1	2	6	. 10	. 4	2	5	5	. 2			5 7 22	8 1	3 3	13		2	9	2	2	4	2	2	2	2 2 2	15	5	9	2 7	2 15 1 1 1	4	1 1 26 2 2 2	14 1	.	1 1 3 36 2 3 1 1 1 3	111
29. Dendromys 2 30. Pithecheir 1 31. Cricetomys 1 32. Hapalotis 4 33. Phleomys 1 34. Gerbillus 24 43. Psammomys 1 36. Malacothrix 2 37. Euryotis 5 38. Mystromys 1 39. Hydromys 1			3							i		i	5			3			1	i : : : :		i i	2 1	3 4	i	i i i	2											4			3	7		2 1 1 14 1 2 5 1	1 3		2 1 1 4 1 2 5 1	
35. Hydromys 1 40. Cricetus 8 41. Hesperomys 4 46. 28. American Muridae 18 43. H. (Oxymycterus, W.) 2 44. Hesp. (Calomys, Wat.) 5 45. Akodon 1 46. Drymomys 1 47. Reithrodon 3 48. Neotoma 2 49. Sigmodon 2			5		i				4	2		2	1																i	· · · · · · · · · · · · · · · · · · ·	:		i :	. 2	111111111111111111111111111111111111111		97	1	1 : : : : : : : : : : : : : : : : : : :	1 2	5		45 18 2 3 1 1					
SECT. 5. SPALACINA. 50. Rhizomys 6 61. Tachyoryctes 1 52. Heterocephalus 1 63. Ellobius 2 24. Ommutostergus 1 55. Spalax 1 56. Siphneus 1 SECT. 6. ARVICOLINA. 57. Arvicola 36. 36. 36. 37. Arvicola 37. A	4	5 1	1 1 1	4		2	3	2	i i i	i : : : : : : : : : : : : : : : : : : :		1	1	1			1	4	,						1 1 1 1				2	2	: : : : : : : : : : : : : : : : : : : :										: 11 11 11	1			4 .		6 1 1 2 1 1 1 1 1	2
58. Lemmus 5 5 59. Fiber 7 1 SECT. 7. BATHYERGINA. 60. Georychus 2 61. Bathyergus 1 III. HYSTRICIDÆ, 99 SECT. 1. HYSTRICIDÆ, 4 63. Atherum 3		:	:			1 1 .	1	: : :	7 2	:	:	:	1	:		1	: .		1	1	1		1 .	1		2	2 1 2		2 1	i	i : .	i : 3.	8	12 5	0 2	9 13				19 2 1	5 .	9 2	74	2 1 4 3	3 ·	2 2 1	2 1 7	9 2 1
SECT. 2. CERCOLABINA. 64. Erethizon 2 65. Chetomys 1 66. Cercolabes 9 SECT. 3. DASYFROCTINA. 67. DASYPROCTINA. 67. DASYPROCTINA. 69. Aulacodus 2 70. Loncheres 2 70.														:				:	1							:			1	1	1		1 1 2 1	2 4 1	1	i i i i i i i i i i i i i i i i i i i				1 1 1			1 2 9 1	1			1	1 1 3 0 1
71. Isothrix 4 72. Echimys 7 73. Dactylomys 1 74. Mesomys 1 75. Cercomys 1 76. Cercomys 1 77. Capromys 1 77. Capromys 2 78. Plagiodontia 1 79. Myopotamus 1 SECT. 5. OCTORONINA.																		:		:				:		:	i							i	5 1	2						. 1	11 4 6 2 1	i		1:	1	1 4 6 2 1 1
50. Octodon 4 1 1 1 1 1 1 1 1 1													:					:		:															4 1 1 1 3 2 1 4	2	i .						3 1 1 5 2 1 2 1					3 1 1 5 2 1 2 1
88. Cerodon			· · · · · ·								:	:				-	:									1:			• • • • • • • • • • • • • • • • • • • •	: : :	:	:		. 1 : ;	3 2		i				:		1 1					1 1 8 1
92. Lepus			1	2 .	3 .	2 2 . 14		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 4	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1	1 1		3 3 2	3 3 29 2			1		9 1			1		4	3	5 4 1	7 7		2 2 .	1.7						6	14 13 1	5	8	.	7 4		36 22 8	2 1	1

Amongst other examples, the species of the genera Pteromys, Spermophilus, Tamins, Arctomys, Grand, Arctomys, Arctomys, Grand, Grand, Arctomys, Grand, Gran

TABLE II.—LIST OF THE RODENTIA, WITH THEIR GEOGRAPHICAL DISTRIBUTION.

A.—European an Genus Sciurus. vulgaris,						(RAT FAMILY)	
Genus Sciurus. vulgaris, anomalus, Syriacus,	DÆ (SQ	UIRREL FAMILY.)		II. FAMILY.—N SECT. 1. MYOXINA.	AURIDÆ	()	
anomalus, Syriacus,	T	Common Squirrel, .	Geographical Distribution.	GENUS MYOXUS.	Linn.	Common Dormouse, .	Geographical Distribution,
B.—2	Güld.	Georgian "	Europe, Northern Asia, and Japan. Georgia, subalpine beech and oak forests of Mount Caucasus,	avellanarius, elegans,	Temm.	Japan "	In the southern and western parts of temperate Europe. Japan.
C/4	Ehrenb. African Spe	Syrian "	Syria and Arabia.	Orobinus, quercinus,	Wagner Linn.		From Sennaar. In France, the western parts of Germany and Switzerland, a likewise in North Africa, viz., in Tunis and Marocco.
Stangeri, rufobrachiatus,	Wat.	Stanger's Squirrel	Fernando Po.	melanurus,	Wagner	Black-Tailed "	Sinai.
erythrogenys, pyrrhopus,	F. Cuv.	Red-cheeked "	Fernando Po and Ashanti.	Dryas, Glis,	Schreb.		Southern districts of the Volga, in Georgia, and in Hungary. In southern and temperate parts of Europe, up to the Volga, a
Cepapi, multicolor,	Smith Rüppell	Cepapi Many-coloured Sq	South Africa. Abyssinia.	cineraceus, .	Rüppell	Ash-coloured "	into Georgia. Port Natal, South Africa.
annulatus, punctatus,	Desm. Temm.	Ringed-tailed " Freckled "	Gambia and Senegal districts, and Abyssinia. Ashanti.	murinus,	Desm. F. Cuv.	Cape " Senegal "	Cape of Good Hope. Senegal.
Poensis, nasutus,	Smith Temm.	Fernando Po "	Fernando Po. Ashanti.	GENUS GRAPHIURUS. Capensis,	,,	Cape Graphiurus	South Africa.
Congicus, getulus	Kuhl L.	Congo " Barbary "	Congo. Barbary, Marocco.	elegans, SECT. 2. DIPODINA.	Ogilby	Elegant "	South Africa, west coast.
albovittatus, Namaquensis,	Desm. Licht.	White Striped Ground Sq. South African Ground "	Gambia, Senegal, and Abyssinia. South Africa.	GENUS ALACTAGA.			Occurs in Europe in the Steppes between the Danube and the D and extends down into the Crimea; ranges eastwards to Barn on the River Obi, and in the south-east direction into Great T
rutilus, Madagascariensis, .	Rüppell Shaw	Madagascar "	Abyssinia. Madagascar.	Jacculus,	Pall.		tary—if Brandt be correct in regarding the D. decumanus and spiculum of Lichtenstein, as well as the D. excillarius of Eye
C.—I	Indian Speci	es.	Nearly throughout Hindoostan, from Travancore in the South up	aulacotus,	Wasman		mann, as specifically identical with the Mus Jacculus of Palk West coast of Arabia.
Indicus, bicolor,	Erxl. Sparrm.	Bombay, or Malabar Sq. Bicoloured	to Bengal. Java, Sumatra, Malacca, Siam, Assam, and Nepaul.	halticus,	Wagner Illiger		In the Steppes of Mongolia.
ephippium, Leschenaultii,	Müller		Borneo.	Acontion,	Pall.		From the Steppes between the Danube and Don, and extended through Great Tartary into Afghanistan.
aureiventer,	Desm. Is. Geoff.	Contan	Java, Sumatra, Singapore. Sumatra, Siam.	Elater, platyurus,	Licht.	: : : : :	In the Kirghiz Steppes. On the east shore of the Sea of Aral, near the River Kowan.
macrourus, Keraudrenii,	Pennant	Ceylon	Ceylon. Birman Empire.	arundinis,	F. Cuv. Licht.	: : : : :	Barbary. Egypt, between Alexandria and Sywah.
hippurus, rufo-niger,	Is. Geoff. Gray		Java, Sumatra, Borneo, Malacca, Assam, Bhotan. China.	GENUS DIPUS. Sagitta,	Pall.		Between the Don and the Volga, in the southern steppes of banks of the Irtish, and extends through Soongaria into Mongo
castaneoventris, . Prevostii,	Desm.	: : : : :	Borneo, Malay Peninsula, Siam, China.	Ægyptius,	Hasselq.	Egyptian Gerboa	North Africa.
vittatus,	Raffles Ljung	: : : : :	Sumatra, Borneo, Malacca, Canton. Java, Sumatra.	hirtipes,	Licht.		On the Upper Nile, from Syene to Dongola, on the west coast Arabia; and likewise in Tripoli.
nigro-vittatus, . Finlaysoni, .	Is. Geoff. Horsf.	: : : : :	Java, Sumatra, Borneo, Canton. Siam, and Sichang Island in the Gulf of Siam.	macrotarsus,	Wagner		Arabia Patrosa
laticaudatus, Philippinensis,	Müller Wat.	: : : : :	Borneo. Mindanao (Philippine Islands).	lagopus	Licht.		In the Kirghiz Steppes north of the Sea of Aral, on the east sho of the Caspian; also in the vicinity of Sarepta, on the RiverVol In Bokhara, near the Sea of Aral.
pygerythrus, affinis,	Is. Geoff. Raff.	: : : : :	Pegu. Singapore, the Island of Pulo Penang in the Strait of Malacca	GENUS JACULUS.			\(\) North America, from the 60th parallel southwards, into the Unit
caniceps, bimaculatus, .	Gray Temm.		Bhotan, Northern India. Malacca.	Labradorius, . Genus Pedetes.	Davies	Labrador Jumping Mouse	States.
cinnamomeus, Lokriah,	Hodgs.		Nepaul, Sikim, Assam.	Cafer,	Pall.		South Africa.
Lokrioïdes Chinensis,	Gray		Nepaul, Assam. China.	S. 3. CTENODACTYLINA. GENUS CTENODACTYLUS,	Gray		
flavimanus, insignis,	Is. Geoff. F. Cuv.		Cochin-China. Java, Sumatra, Borneo.	Massoni, SECT. 4. MURINA.	"		North Africa (Tunis and Tripoli).
tristriatus, palmarum,	Waterh. Linn.		Forests of the Ghauts. Deccan, Calcutta.	GENUS SMINTHUS. betulinus,	Pall.		Between the Oural Mountains and the Jenesei; and there appe to be good reason to believe that a small rodent found in Swed
sublineatus,	Waterh.		Madras, Nilgherries.	Nordmanni			is identical with the present species. In the Crimea.
M'Clellandii, tenuis,	Horsfd.	: : : : :	Assam and Bhotan. Singapore.	vagus,	Keys. et B. Pall.		(Found in Northern Asia between the Rivers Obi and Jenesei.
modestus, melanotis,	Müller "	: : : : :	Sumatra, Borneo, Malacca. Java, Sumatra, Borneo.	Genus Mus.	Linn.	atic Species	cending as high as latitude 57°, and descends into Tartary.
exilis, rubriventer,	11	:::::	Sumatra, Borneo, Malacca. Celebes.	A.—European decumanus,	and N. Asio	Common Brown Rat	Found in all parts of the world.
leucomus, murinus,	Forster "	;; ;; ; ; ;	п	Rattus,	Linn.	Black Rat	Found throughout Europe, excepting in the extreme north, as like the Common Brown Rat, has been conveyed to various pa
D.—North and C		rican Species.	Middle and southern parts of the United States. A variety of				of the globe. It is, however, less frequently met with than the
capistratus, subauratus,	Bosc. Bachm.	Fox Squirrel, Golden-bellied Squirrel,	this species is found in Texas and Mexico. New Orleans and Mexico.	Alexandrinus, Caraco,	Is. Geoff. Pall.		Tunis, Egypt, Nubia, Italy, and Spain. Eastern Siberia.
cinereus, leucotis,	Gmel. Gapper	Cat " . White-eared Grey " .	Middle and northern parts of the United States. From the middle portions of the United States to Hudson's Bay	sylvaticus, musculus,	Linn.	Field Mouse	Throughout Europe, and in western Siberia. Found in all parts of the world.
Carolinensis,	Gmel.	Carolina Grey " .	(From the Peningula of Fast Florida westwards into I ovisions and	agrarius,	Pall. Nordm.	: : : : :	Botanic Garden at Odessa.
niger,	Linn.	Black "	in the northern direction, extending into North Carolina. States of New York and Pennsylvania, and extends into Upper Canada.	minutus,	Pall.	Harvest Mouse	Throughout the whole of temperate Europe, and in the temperate parts of Siberia.
Audubonii	Bachm.	LargerLouisianaBlack Sq. Lesser " "	Louisiana	latipes,	Bennett Waterh.	: : : : :	Trebizond.
fuliginosus, Hudsonius,	Pall.	The Chickaree	Louisiana, along the banks of the Mississippi. From the arctic extremity of the woods, southwards to the 40th parallel of latitude—rare below that parallel. Frequents the pine forests of the Rocky Mountains, west of the	B. India	an Species.		Continental India, Java, and Sumatra.
Richardsonii, .	Bachm.	Columbia Pine Squirrel	Frequents the pine forests of the Rocky Mountains, west of the	Perchal, Indicus,	Shaw Is. Geoff.		India. Continental India, Java, and Sumatra. Continental India, Java, Sumatra, Celebes, Java,
lanuginosus, .	"	Downy "	North-west coast near Sitka, and at Paget's Sound.	decumanoides, .	Hodgs.	: : : : :	Northern and central hilly portions of Nepaul.
Lewisii,	Smith H. Smith		From the Missouri. Missouri.	pictoris, speciosus,	Temm.	: : : : :	Japan.
aureogaster, Douglasii,	F. Cuv. Grav	Californian " Douglas' "	California and Mexico. Columbia and California.	leucogaster, lepturus,	Müller	: : : : :	Java. Sumatra.
Collæi, nigrescens,	Richards. Bennett	Collie's " Dusky "	California.	flavescens, Booduga,	Elliot Gray	: : : : :	Mahratta country.
Bottæ,	Lesson Bachm.		n	Meltada, platythrix,	Bennett	: : : : :	Deccan—Mahratta country.
leporinus,	n		North America.	Leggada, striatus,	Gray Linn.		Mahratta country.
occidentalis, mollipilosus,	"		North California.	argenteus, Tanezumi,	Temm.		Japan.
Boothiæ, Richardsonii,	Gray	: : : : :	Honduras.	mollissimus,	"	: : : : :	n n
variegatoïdes, E.—Sout.	Ogilby th American	Species.	North-west coast of South America—Mexico?	prætextus, C. Afra	Licht.	3.	Arabia and Syria.
Langsdorffii, variabilis,	Brandt Is. Geoff.		Brazil and Guayana. Peru and Bolivia.	pumilio,	Sparrm. Wagner	:::::	South Africa.
æstuans, strammineus	Linn. Gervais	Brazilian Squirrel	Guayana, Brazil, Peru, and Bolivia. Peru.	dorsalis,	Smith Linn.	Barbary Mouse, : :	North Africa—Algiers.
pusillus, igniventris,	Geoff. Wagner		Cayenne. Brazil.	imberbis, Dembeensis,	Rüppell		Province of Samen—Abyssinia. On the banks of the Dembea Lake, Abyssinia.
pyrrhonotus, gilvigularis,	11	: : : : :	n .	leucosternon.	"		In houses of Massowah, on the coast of Abyssinia. Common house-rat at Massowah, Abyssinia.
GENUS PTEROMYS.	,,		North-west portions of Brazil,	albipes, Abyssinicus,	" "	: : : : :	Province of Samen, Abyssinia.
leucogenys,	Temm. Desm.	Japan Flying "	Japan. Java, Sumatra, Borneo, Malacca, Siam. From Bengal southwards to Travancore.	Alleni, Hayi,	Waterh.	: : : : :	Fernando Po. Marocco.
petaurista, Oral.	Pall. Tickell	: : : : :	Tenasserim, Midnapour, Chychassa	fuscirostris, limbatus	Wagner	: : : : :	Sennaar.
magnificus,	Hodgs. Gray	: : : : :	Nepaul, chiefly the central and northern hilly districts. Nepaul (lower, central, and northern hilly districts), and Dargulling	orientalis,	Rüppell		{ Throughout the north-eastern portions of Africa (Egypt, Nub and the coast of the Red Sea).
inornatus, elegans,	Is. Geoff. Müller	:::::	From Cashmere. Java, and in the Island of Nusa-Kambang, near Java.	gentilis, dolichurus,	Licht. Smuts.	: : : : :	Cape of Good Hope. Cape of Good Hope. Cape of Good Hope. South Africa (Algoa Bay). South Africa, near Cape Town. South Africa, in the neighbourhood of Port Natal.
albiventer, caniceps,	Gray	White-bellied Flying Sq.	Nepaul. Dargulling.	colonus, Verroxii,	Brants. Smith		South Africa (Algoa Bay).
fimbriatus, alboniger,	Hodgs.	: : : : :	Nepaul. Nepaul, Dargulling.	Natalensis, muscardinus,			South Africa, hear Cape Town. South Africa, in the neighbourhood of Port Natal.
Horsfieldii	Waterh. Desm.		I. of Banka?	silaceus, modestus,	Wagner	: : : : :	Caffraria. Cape of Good Hope.
sagitta, genibarbis	Horsf.	: : : :	Java, Sumatra. Java.	minutoides,	Smith S	: : : : : :	South Africa—Cafferland.
Momoga, volans,	Temm. Linn.	: : : : :	Japan. Siberia.	Lecomtel,	American Sp Aud. et B.	pecies.	North America.
volucella,	Rich.		Canada and the United States. § Forests of Canada, the Rocky Mountains, and the fur countries up	Michiganensis, . Carolinensis, .	"	: : : : :	II II
Oregonensis,	Bachm.		to the 57th parallel. From the pine woods on Columbia River.	humilis, palustris,	Bachm. Harlan	: : : : :	New Jersey and South Carolina.
GENUS ANOMALURUS, Fraseri,	Waterh.	Fraser's Anomalurus, .	Fernando Po and Sierra Leone.	polionotus,	Wagner Dekay.	: : : : :	Georgia. New York.
Pelii,	Temm.		Ashanti.	E. Central	American S		
striatus,	Linn.	Black-striped Tamias,	On the Oural Mountains, and throughout the wooded portions of Siberia, as far as the Sea of Okhotsk, and the Anadyr.	Tequina,	Gray		Coban. These two species perhaps do not belong to the ger Mus .
Uthensis,	Pallas		From the region of the River 11th (Russia)	Australis,	dralian Spec	cies.	Liverpool plains.
quadrivittatus, .	Rich.	Four-striped " .	Fur countries of North America, and extends southwards along the eastern declivity of the Rocky Mountains to the sources of the Platte and Arkansas.	setiger,	Gould	: : : : :	Van Diemen's Land. Moore's River—interior of Western Australia.
Lysteri,	11	Lyster's " .	Platte and Arkansas. Ranges on the eastern side of the Rocky Mountains, from the 50th parallel down to the Carolinas.	fuscipes, lutreola	Waterh. Grav		King George's Sound, Bass' Straits, and Van Diemen's Land. New South Wales, Mosquito Islands, and Van Diemen's Land.
tenebrosus, Hindei,	Bachm. Grav		{ parallel down to the Carolinas. North America. California.	Gouldii, Adelaidensis,	Waterh.	: : : : :	
Townsendii, minimus,	Bachm.	Townsend's "	Variable Hills	Zidelaldelisis,	Gray		New South Wales, South Australia. South Australia.
	n		Common in woods on the west coast of North America.	Greyi,	Gray		New South Wales, South Australia. South Australia.
GENUS SPERMOPHILUS.			Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado.	Greyi, delicatulus, hirsutus, Novæ-Hollandiæ	Gray Gould		New South Wales, South Australia. South Australia. Port Essington.
GENUS SPERMOPHILUS. fulvus,	Licht.	Fulvous Spermophilus,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado.	Greyi, delicatulus, hirsutus, Novæ-Hollandiæ, peaicillatus, lineolatus.	Gray Gould Wat. Gould		New South Wales, South Australia. South Australia. Port Essington. New South Wales. Port Essington.
Genus Spermophilus. fulvus,	Licht.	Fulvous Spermophilus,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga.	Greyi, delicatulus, hirsutus, Novæ-Hollandiæ, peaicillatus, lineolatus.	Gray Gould Wat. Gould "		New South Wales, South Australia. South Australia. Port Essington. New South Wales.
GENUS SPERMOPHILUS. fulvus,		Fulvous Spermophilus, Short-tailed "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altai.	Greyi, delicatulus, hirsutus, Novæ-Hollandiæ, penicillatus, lineolatus. gracilicaudatus, G. Mus (Isomys, Sundey.) testicularis, Niloticus	Gray Gould Wat. Gould " Sundev. Is. Geoff.		New South Wales, South Australia. South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad.
GENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus,	Licht. Brandt. Eversm. Ménétr.	Fulvous Spermophilus, Short-tailed " Wave-marked "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caveauss Mountains, extending nearly up to the snow line.	Greyi, delicatulus, hirsutus, Nove-Hollandiæ, pesticillatus, lincolatus, gracilicaudatus, G. Mus (Isoavs, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. GEOF.)	Gray Gould Wat. Gould " Sundev. Is. Geoff.		New South Wales, South Australia. Port Essington. New South Wales. Pert Essington. Jurning Down (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia.
GENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni,	Licht. Brandt. Eversm. Ménétr. Brandt.	Fulvous Spermophilus, Short-tailed "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altinuck. Common at Orenbourg. On borth latitude. Common at Orenbourg. of north latitude. Common at Orenbourg. From the Altin. From the Altin. From the Mairia. extending nearly up to the snow line. From the Altin. From the Nation or the National Silesia, and eastwards	Greyi, delicatulus, hirsutus, Novae-Hollandise, penicillatus, lincolatuatus, Gardicauatus, Miloticus Gardicauatus, Gardicauatus, Gardicauatus, dimidiatus,	Gray "Gould "Att. Gould " Sundev. Is. Geoff. Is. Geoff. Cretzch.		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New Jouth Wales. Port Essington. Outling Downkley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt.
GENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt	Fulvous Spermophilus, Short-tailed " Wave-marked "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altinuck. Common at Orenbourg. On borth latitude. Common at Orenbourg. of north latitude. Common at Orenbourg. From the Altinuck. Common at Orenbourg. From the Altinuck. Common at Orenbourg. From the Altinuck. Common at Orenbourg. Altinuck of the Silveria, and castwards through temperate Europe, and into Silveria, and castwards through temperate Europe, and into Silveria. Altin Mountains, and mountains of Balksab.	Greyi, delicatulus, hirsutus, Novae-Hollandise, peaicillatus, lincolatus, gracilicaudatus, G. Mus (Isoavs, Sundev.) ticularis, William (Aromys, L. Geof.) Cahirinus, dimidiatus, russatus, G. Mus (Golunda, Gray)	Gray "Gould "Wat. Gould "" Sundev. Is. Geoff. Cretzch. Wagner		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downkley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai.
GENUS SPERMOPHILUS. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Cicillus, erythrogenys, concolor, xanthoprymnus,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altitude. Common at Orenbourg. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altinia, extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balksah. Persia, particularly in the great plain of Sultania.	Greyi, delicatulus, hirsutus, Nowe-Hollandise, peaicillatus, lincolatus, gracilicaudatus, gracilicaudatus, gracilicaudatus, testicularis, Niloticus G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, russatus, G. Elliotii G. Mus (Vandelavris G.)	Gray "Gould Wat. Gould "" Sundev. Is. Geoff. Cretzch. Wagner Gray		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Juning Downsley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country.
GENUS SPERMOPHILUS. fulvus, fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altai. On the River Oural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Sileria. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Brzeroum.	Greyi, delicatulus, hirsutus, Novae-Hollandise, peaicillatus, lincolatus, gracilicaudatus, gracilicaudatus, gracilicaudatus, Klioticus, Cahirinus, delicaudatus, G. Mus (Akomys, I. Geof.) Cahirinus, delicaudatus, G. Mus (Golunda, Gray) Elliotii, G. Mus (Noulda, Gray)	Gray Gould Wat. Gould "" Sundev. Is. Geoff. Cretzch. Wagner Gray Bennett.		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Down. (Ouskley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul.
GENUS SPERMOPHILUS. fulvus, fulvus, fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altain. On the River Oural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altain. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Externous controllarly in the great plain of Sultania. Externous Caucasus Sultains. Prairies, and ranging southwards to Mexico? Mexico and California.	Greyi, delicatulus, hirsutus, Novae-Hollandise, Joseph Greyine, Greyine Greyine, Greyine Greyine, Greyine Greyine, Greyine Greyine, Greyine Greyine, Greyine	Gray "Gould Wat. Gould "" Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray "		New South Wales, South Australia. Port Essington. New South Materation. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country.
ARNUS SPERMOPHILUS. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Ctiillus, erythrogenys, concolor, xanthopyrumus, Kichardsoni, Hoodii, Mexicanus, Douglasti,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas' "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. { On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Casplan Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volgar From the Altainal, extending from about the 56th to the 56th degree on the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balksahh. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia.	Greyi, delicatulus, hirsutus, Novae-Hollandise, pestelliktus, pestelliktus, gradilicaudatus, G. Mus (Isoars, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. Geof.) Cahirinus, dimidiatus, G. Mus (Kolunda, Gray) Elliotii, G. Mus (Vandeleurin, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, Kok, Genya Dermemys	Gray "Gould" Wat. Gould " Sundev. Is. Geoff. Cretzeh. Wagner Gray Bennett. Gray " Hodgs. Smith		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubla, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul.
ARNUS SPERMOPHILUS. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthopyrmnus, xanthopyrmnus, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. Bennett	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversman's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas' " Beechey's " Long-tailed "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. { On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. From the Altail, extendis from about the 56th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mcxico and California. Bose of the Quinbibia. Upper California.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, gracilicaudatus, G. Mus (Isoans, Sunder.) testicularis, Niloticus G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, russatus, Guisdiatus, G. Mus (Nosokia, Gray) Eliloiti, G. Mus (Vandeleuria, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophius, uresomelas, melanotis.	Gray "Gould "Wat. Gould " " Sundev. Is. Geoff. Cretzch. Wagner Gray Hodgs. Smith Licht. Smith		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country.
GENUS SPERMOPHILUS. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beloogi, Parryi,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine "Licht. Rich. Bennett Rich.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas" " Douglas" " Douglas" " Parry's "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkashb. Persia, particularly in the great plain of Sultania. Erreroum. Prairies of the Saskatchewan. Prairies and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, G. Mus (Isoans, Sundev.) testiculicaudatus, G. Mus (Isoans, Sundev.) testiculicaudatus, Niloticus G. Mus (Akomys, I. Geof.) Cahirimus, dimidiatus, russatus, G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraceus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys. mesomelas, G. Mus (Prinecher, melanura,	Gray "Gould "Wat. Gould " " Sundev. Is. Geoff. Cretzch. Wagner Gray Hodgs. Smith Licht. Smith F. Cuv.		New South Wales, South Australia. South Australia. Port Essington. New South Wales. Fort Essington. Darling Douskley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa.
ARNUS SPERMOPHILUS. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthopyrmnus, xanthopyrmnus, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. Bennett	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversman's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas' " Beechey's " Long-tailed "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkashb. Persia, particularly in the great plain of Sultania. Erreroum. Prairies of the Saskatchewan. Prairies and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, G. Mus (Isoans, Sundev.) testiculicaudatus, G. Mus (Isoans, Sundev.) testiculicaudatus, Niloticus G. Mus (Akomys, I. Geof.) Cahirimus, dimidiatus, russatus, G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraceus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys. mesomelas, G. Mus (Prinecher, melanura,	Gray Gould "Wat. Gould " Sunder Is. Geoff. Cretzch. Wagner Gray Pennett. Gray " " " " " " " " " " " " " " " " " " "		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. I (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra.
Anns Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymmus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt is. Geoff. Bennett Sabine " Licht. Rich. " Bennett Rich. Aud. et B.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas' " Beechey's " Long-tailed " Parry's " Ring-tailed "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Pound between the Caspian Sea and Lake Aral, on the banks of From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, penicillatus, Innolatus, Games Grey	Gray "Gould "Wat. Gould " " Sundev. Is. Geoff. Cretzch. Wagner Gray Hodgs. Smith Licht. Smith F. Cuv.		New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po.
GENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Cicillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, GENUS ARCTOMYS. Marmotta, Marmotta,	Licht. Brandt. Eversm. Menétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. Bennett Rich. Aud. et B. Say Bachm.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's "Franklin's " Hood's "Mexican "Douglas' Beechey's "Long-tailed " Parry's "Ring-tailed "Flank-striped "Townsend's " Alpine Marmot,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. { On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the Bave foural, extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies of the Saskatchewan. Upper California. Banks of the Columbia. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkaussus. Inhabits the parairies on the Wallawalla Columbia River).	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, Johannes, Brownes, Brownes, Greyileundatus, Johannessandatus, Johannessand	Gray Gould "Wat. Gould " Sunder Is. Geoff. Cretzch. Wagner Gray Pennett. Gray " " " " " " " " " " " " " " " " " " "	White-footed Hapalotis, Long-tailed "	New South Wales, South Australia. Port Essington. New South Materation. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. Imdia. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—eighbourhood of Moore's River.
RENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, parryi, annulatus, lateralis, Townsendii, ENUS ARCTONYS. Bobac, Bobac, Himalayanus,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt. Linn. Brandt. Linn. Brandt. Linn. Brandt. Licht. Rich. " Licht. Rich. Aud. et B. Say Bachm.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas' " Beechey's " Ring-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Repaul "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree from the Altai. On the River oural; extends Sea and Lake Aral, on the banks of Fron the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Pround in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. California. California. California. From the Arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, penicillatus, Innolatus, Games Grey	Gray Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Bennett. Gray " " " " " " " " " " " " " " " " " " "	White-footed Hapalotis,	New South Wales, South Australia. Port Essington. New South Meles. Port Essington. Darling Downs. "Couldey Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Simi. Simi. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. "Java and Sumatra. Gambia district, Western Antralia and South Australia. Western Australia—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia and South Australia. New South Wales.
kenus Spermophilus. fulvus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthopymnus, Richardsoni, Franklinii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Frens Ancromys, Marmotta, Bobac,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine Licht. Rich. " Bennett Rich. Aud. et B. Say Bachm. Linn. Linn. Linn. Schreb.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Tibet "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree of the Colorado. To the River oural, extending and westwards as far as Sarepta on the Volga. From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balksen. From the Altai. From the Altai. From the Altai. To an action of the Sakatchewan. Frairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Liper California. Eastern declivity of the Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northers, hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, G. Mus (Isoans, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, russatus, Guidiatus, russatus, Guidiatus, Guidiatus, Guidiatus, G. Mus (Vandeleurin, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophius, Genus Deenboomys. melanotis, Genus Criceronys, Gambianus, Genus Criceronys, Gambianus, Genus Haratoris, albipes, longicaudatus, murinus, Mitchellii, Genus Phileomys,	Gray Gould Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Bennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Waterh Licht. Gould Waterh Licht. Wagner Gray Waterh Licht.	White-footed Hapalotis, Long-tailed " Murine " Mitchell's "	New South Wales, South Australia. South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinii. Egypt. Sinii. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia. South Australia. South Australia.
RENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, ooncolor, munitus, aunthopymuus, xunthopymuus, Yanthopymuus, Pranklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Frenus Arcromys, Marmotta, Bobac, Himalayanus, Himalayanus, Thibetanus, caudatus, Empetra,	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Gooff. Bennett Sabine "Licht. Rich. Branett Rich. Aud. et B. Say Bachm. Linn. Schreb.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversman's " Red-cheeked " Erzeroum Richardson's " Franklin's Hood's " Mexican Douglas' " Becchey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Tibet " Long-tailed " Long-tailed " Flank-striped " Townsend's "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the Colorado. The Colorado and the Colorado and the Son the Colorado and the Colorado and the Colorado and the Son Booth the 50th to the 56th degree of north latitude. Common at Orenbourg. On the River Oural, extending next many up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Prairies of the Saskatchewan. Prairies of the Saskatchewan. Prairies and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Salrom the Alps. Inabitist prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibel. Perlaps the same as A. Doboc. Frequents the woods of Canada, and the fur countries up to the 60th paralle.	Greyi, delicatulus, hirsutus, hirsutus, Novae-Hollandise, penicililatus, innolatus, gracilicausatus, Gracilicausatus, descicularis, Niloticus G. Mus (Akomys, I. Geof.) Cahirimus, dimidiatus, russatus, G. Mus (Golunda, Gray) Elliotii, G. Mus (Nesokia, Gray) Elliotii, G. Mus (Nesokia, Gray) Holeraceus, G. Mus (Nesokia, Gray) Holeraceus, G. Mus (Colunda, Gray) G. Mus (Hara)	Gray Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Smith Smith F. Cuv. "Waterh. Licht. Gould "Gulby	White-footed Hapalotis, Long-tailed "Murino " Mitchell's " Cuming's Phlosomys,	New South Wales, South Australia. Port Essington. New South Males. Port Essington. New South Wales. Port Essington. " (Oakley Creek.) Bahr el Abind. Nubia, Abyssinia, and Arabia. Egypt. Sin'ai. Egypt. Sin'ai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambin district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhoo Moore's River. Island of Luzon (Philippines).
RENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, Eversmanni, Citillus, erythrogenys, concolor, xanthopymmus, Richardsoni, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Fenus Arcromys, Marmotta, Bobac, Himalayanus, Thibetanus, caudatus, Eundanus, caudatus, Eundanus, caudatus, Farryi, Himalayanus, Himalayanus, Himalayanus, Himalayanus, Caudatus, Eundanus, Caudatus, Eundanus, Caudatus, Eundanus, Caudatus, Eundanus, Eund	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. Rich. Aud. et B. Say Bachm. Linn. Schreb. Hodgs.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversman's " Red-cheeked " Erzeroum Richardson's " Franklin's Hood's " Mexican Douglas' " Becchey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Tibet " Long-tailed " Long-tailed " Flank-striped " Townsend's "	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree of the River Oural, extending the control of the River Oural, extending the season of the State of the River Oural, extends from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Cauceass Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austrate Europe, and into Silesia, and eastwards Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Calif	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, lincolatus, lincolatus, G. Mus (Isoavs, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. Geof.) Cahirinus, dimidiatus, russatus, G. Mus (Golunda, Gray) Elliotii, G. Mus (Golunda, Gray) Elliotii, G. Mus (Nandeleuria, G.) G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophius, Genus Dendromys, mesomelas, melanura, Genus Detendromys, Genus Pritechetie, melanura, Genus Haralotis, longicaudatus, murinus, Mitchellii, Genus Phileomys, Cumingii, Genus Gerbilleus, Indicus, Indicus, Indicus,	Gray Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Smith Licht. Smith Licht. Gould " Gould " Gould " Gould " Gould " Hardw.	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlœomys, Indian Gerbillus,	New South Wales, South Australia. Port Essington. New South Males. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. " (Oakley Creek.) Bahr el Abid. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ber Southwards to Travancous to Travancou
RENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, macrourus, Parryi, annulatus, lateralis, Townsendii, GENUS ARCOMYS, Marmotta, Bobac, Himalayanus, Thibetanus, Empetra, pruinosus, flavienter, GENUS APLUODONTIA, GENUS APLUODONTIA,	Licht. Brandt. Eversm. Menetr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. " Bennett Rich. " Bennett Rich. " Bennett Rich. " Bennett Rich. " " Genel. Bachm. Rich.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas" " Becchey's " Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Tibet " Long-tailed " Vellow-bellied Marmot,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree of the River the Caspian Sea and Lake Aral, on the banks of the River the Caspian Sea and Lake Aral, on the banks of the River to Caspian Sea and Lake Aral, on the banks of the River Oural; extended from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards Athrough temperate Europe, and into Silesia, and eastwards Athrough temperate Europe, and into Silesia. Previa, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. Ground California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 50th parallel. Beron the mountains between Texas and California.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, penicillatus, ilmolatus, flandiatus, G. Mus (Isoays, Sundey.) testicularis, Niloticus G. Mus (Akomys, I. Geof.) Cahirinus, dimidiatus, russatus, G. Mus (Golunda, Gray) Elliotii, G. Mus (Golunda, Gray) Elliotii, G. Mus (Vandeleuria, G.) oaraceus, Gandeleuria, G.) oaraceus, Hardwickii Kok, hydrophilus, Genus Dendromys, mesomelas, melanuta, Genus Pittechete, melanuta, Genus Crictromys, Genus Haralotts, albites, longicaudatus, murinus, Mitchellii, Genus Philesomys, Cumingii, Genus Gerebillus, Indicus, Cumingii, Genus Gerebillus, Indicus, Cumingii, Genus Gerebillus, Indicus, Cuvieri, otavia,	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Waterh. Licht. Smith F. Cuv. Under Gray Gray Hedgs. Smith Licht. Smith F. Cuv. Gould "Guldy Waterh." Hardw. Waterh. "Hardw.	White-footed Hapalotis, Long-tailed "Murino " Mitchell's " Cuming's Phlosomys,	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. Madras. India.
ERNUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, macrourus, Parryi, annulatus, lateralis, Townsendii, Grinus Arcromys, Marmotta, Bobac, Himalayanus, Thibetanus, Empetra, pruinosus, flavienter, Grinus Artuodontia, leporna, Grinus Artuodontia, Renus Carona.	Licht. Brandt. Eversm. Menetr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine "Licht. Rich. Bennett Rich. Aud. et B. Say Bachm. Schreb. Hodgs. " Schreb. Gmel. Bachm. Rich.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hood's " Mexican " Hood's " Hexican " Beschey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Tibet " Long-tailed " Long-tailed " Townsend's " Long-tailed " Long-tailed " Long-tailed " Thoary " Yellow-bellied Marmot, The Sewellel,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Fersia, particularly in the great plain of Sultania. Franties of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Saliconia. From the arctic coasts and Rocky Mountains, down to the 58th Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Rusia, Siberia. Northern hilly region of Nepaul, and in Tibet. Northern hilly region of Nepaul, and in Tibet. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Kiloticus Greyicillatus, Gre	Gray Gould "Wat. Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Waterh. Licht. Gould " Waterh. Licht. " Hardw. Waterh. " Hardw.	White-footed Hapalotis, Long-tailed "Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Materatia. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—neighbourhood of Moore's River. South Australia, and Western Australia, in the neighbourhoo Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. India. India. Afrhanistan.
RENUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Hoodini, Mexicanus, Douglasit, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Grinus Arcomys, Marmotta, Bobac, Himalayanus, Thibetanus, caudatus, Empetra, pruinosus, flaviventer, Genus Artuodontia, leporna,	Licht. Brandt. Eversm. Menetr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. " Bennett Rich. " Bennett Rich. " Bennett Rich. " Bennett Rich. " " Genel. Bachm. Rich.	Fulvous Spermophilus, Short-tailed " Wave-marked " Eversmann's " Red-cheeked " Erzeroum " Richardson's " Franklin's " Hood's " Mexican " Douglas" " Becchey's " Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Tibet " Long-tailed " Vellow-bellied Marmot,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Fersia, particularly in the great plain of Sultania. Franties of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Saliconia. From the arctic coasts and Rocky Mountains, down to the 58th Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Rusia, Siberia. Northern hilly region of Nepaul, and in Tibet. Northern hilly region of Nepaul, and in Tibet. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Kiloticus Greyicillatus, Gre	Gray Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Bennett. Gray Hodgs. Smith Licht. Smith F. Cuv. " Gould " Hardw. Waterh Hardw. Waterh F. Cuv. Gray Hardw. Waterh Smith F. Cuv. Smith Hardw.	White-footed Hapalotis, Long-tailed "Murine" "Mitchell's "Cuming's Phlocomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Meles. Port Essington. New South Wales. Port Essington. Darling Downs. "(Oakley Creek.) Bahr el Abind. Nubia, Abyssinia, and Arabia. Egypt. Sin'ai. Egypt. Sin'ai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia. and Western Australia, in the neighbourhoo Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Bert Southwards to Travancore. Madras. India. Afglanistan. South Afficia.—vicinity of Cape Town. South Africa.—vicinity of Cape Town.
ERNUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, macrourus, Parryi, annulatus, lateralis, Townsendii, Grinus Arcromys, Marmotta, Bobac, Himalayanus, Thibetanus, Empetra, pruinosus, flavienter, Grinus Artuodontia, leporna, Grinus Artuodontia, Renus Carona.	Licht. Brandt. Eversm. Menetr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine "Licht. Rich. Bennett Rich. Aud. et B. Say Bachm. Schreb. Hodgs. " Schreb. Gmel. Bachm. Rich.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hood's " Mexican " Hood's " Hexican " Beschey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Tibet " Long-tailed " Long-tailed " Townsend's " Long-tailed " Long-tailed " Long-tailed " Thoary " Yellow-bellied Marmot, The Sewellel,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Fersia, particularly in the great plain of Sultania. Franties of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Saliconia. From the arctic coasts and Rocky Mountains, down to the 58th Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Rusia, Siberia. Northern hilly region of Nepaul, and in Tibet. Northern hilly region of Nepaul, and in Tibet. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Greyicillatus, Kiloticus Greyicillatus, Gre	Gray Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Gray Hardw. Waterh. F. Cuy. Gray Smith F. Cuv. Gray Smith F. Cuv. Licht.	White-footed Hapalotis, Long-tailed ", Murine ", Mitchell's " Cuming's Phlœomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Meles. Port Essington. New South Wales. Port Essington. Darling Downs. "(Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. "Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia. and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ber Southwards to Travancore. Madras. India. Afglanistica. South Afficiavicinity of Cape Town. South Africavicinity of Cape Town.
ARNUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, muthopymnus, Mathopymnus, Mathopymnus, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Grinus Arcromys, Marmotta, Bobac, Himalayanus, Thibetanus, caudatus, Empetra, pruinosus, flaviventer, Genus Aprudonntia, leporna, pruinosus, flaviventer, Genus Castore. Fiber, Canadensis,	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt is. Geoff. Bennett Sabine " Licht. Rich. " Licht. Rich. Aud. et B. Say Bachm. Linn. Schreb. Hodgs. " Schreb. Gmel. Bachm. Rich. " Linn.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree of the River the Caspian Sea and Lake Aral, on the banks of the River the Caspian Sea and Lake Aral, on the banks of the River to Caspian Sea and Lake Aral, on the banks of the River Oural; extended from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards Athrough temperate Europe, and into Silesia, and eastwards Athrough temperate Europe, and into Silesia. Previa, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. Ground California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 50th parallel. Beron the mountains between Texas and California.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, peateillatus, geneticillatus, Greyine delicatulus, Greyine delicatu	Gray Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Gould " Hardw. Waterh. F. Cuv. Gray Smith F. Cuv. Licht. Gray Smith F. Cuv. Licht. Gray Smith Smith F. Cuv. Licht. Gray Smith Smith F. Cuv. Licht. Gray Smith Signer Smith F. Cuv. Licht. F. Cuv. Lich	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Males. Port Essington. New South Wales. Port Essington. Port Essington. Port Essington. Port Essington. Port Essington. Port Essington. Bahr el Abind. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Bert Southwards to Travancore. Madras. India. Afghanistan. South Africa.—vicinity of Cape Town. South Africa. North Africa.—vicinity of Cape Town. South Africa.—vicinity of Cape Town. South Africa.—Egypt and Arabia Petræa. Darfon. Egypt.
Grnus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beacheyi annulatus, lateralis, Townsendii, Grnus Ancromys, Marmotta, Bobac, Himalayanus, Thibetanus, Thibetanus, Cenus Antromys, Marinetta, Bobac, Himalayanus, Thibetanus, Grnus Artuodonti, Icenus Antromys, Icenus Canadensis, Icenus Canaden	Licht. Brandt. Eversm. Ménétr. Brandt. Linn. Brandt is. Geoff. Bennett Sabine " Licht. Rich. " Licht. Rich. Aud. et B. Say Bachm. Linn. Schreb. Hodgs. " Schreb. Gmel. Bachm. Rich. " Linn.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree of the River one Caspian Sea and Lake Aral, on the banks of the River one Caspian Sea and Lake Aral, on the banks of the River oural extended on the River of the River oural extended from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucassa Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards lating temperate Europe, and into Silesia, and eastwards and the significant of the Salakathan of Balbash. Altain and the salakathan of Balbash. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Branks of the Columbia. California. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies, Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Yalley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 100th parallel. Russian Sile in the Sile in the Sile in the rivers of temperate and northern Europe and Asia, between the 35th and 67th degrees of latitude. In the rivers of temperate and northern Europe and Asia, between the 35th and 67th degrees of latitude. In the rivers of temperate and northern Europe and Asia, between the 35th and 67th degrees of latitude. In the rivers of temperate and northern Europe and Asia, between the 35th and 67th degrees of latitude. In the rivers of temperate and northern Europe and Asia, between the 35th and 67th degrees of latitude.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandiae, pesicillatus, Imoolatus, Imoolatus, Greyin Gre	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Hardw. Waterh. " Hardw. "	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. Darling Downs. "Colkley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinii. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. "Java and Sumatra. Gambia district, Western Antralia and South Australia. Western Australia, anelighbourhood of Moore's River. South Australia, and Western Australia, in the neighbourhoo Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ber Southwards to Travancore. Madras. India. Afghanistan. South Africa—vicinity of Cape Town. SouthAfrica—vicinity of Cape Town. SouthAfrica—Egypt and Arabia Petrea. Degypt. South Africa—Egypt and Arabia Petrea. Degypt. South Africa—to the north of Latakoo.
Grnus Spermophilus. fulvus,	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Gooff. Bennett Sabine " Licht. Rich. Branett Rich. Aud. et B. Say Bachm. Linn. Schreb. Gmel. Bachm. Linn. Kuhl	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree from the Australian Sea and Lake Aral, on the banks of from the Western the Caspian Sea and Lake Aral, on the banks of Fronthe Altai. On the River Oural; extends from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucass Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Prevait, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Aulley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. From the Aulity region of Nepaul, and in California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th adores on the western side of the continent of North America, from the most northern woods down to the confinence of the Ohio, with Mississippi. Found likewise on the western side of the continent of the continent.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, lincolatus, fincolatus, G. Mus (Isoays, Sundey.) testicularis, Niloticus G. Mus (Akomys, I. Geof.) Cahirinus, dimidiatus, russatus, G. Mus (Golunda, Gray) Elliotii, G. Mus (Golunda, Gray) Elliotii, G. Mus (Nandeleuria, G.) G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys, mesomelas, melanotis, Genus Pittechetir, melanura, Genus Chiercanys, Genus Pittechetir, melanura, Mitchellii, Genus Phitconys, Luminus, Mitchellii, Genus Gerbitus, Luminus, Mitchellii, Genus Gerbitus, Luminus, Luminus, Mitchellii, Genus Gerbitus, Luminus, Luminus, Luminus, Mitchellii, Genus Gerbitus, Luminus, L	Gray Gould "Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Gould " Hardw. Waterh. F. Cuv. Gray Smith F. Cuv. Licht. Gray Smith F. Cuv. Licht. Gray Smith Smith F. Cuv. Licht. Gray Smith Smith F. Cuv. Licht. Gray Smith Signer Smith F. Cuv. Licht. F. Cuv. Lich	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Australia and South Australia. western Australia—neighbourhood of Moore's River. New South Wales, Western Australia, in the neighbourhood Moore's River. New South Wales, Western Australia, in the neighbourhood Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. Madras. India. Afglia. Africa.—vicinity of Cape Town. South Africa, near the sources of the Orange River. Sonegal. North Africa—Egypt and Arabia Petræa. Darfour. Egypt. South Africa—to the north of Latakoo. South Africa—to the north of Latakoo. South Africa—to the north of Latakoo.
ARNUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, concolor, concolor, fulchardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Franklinii, Franklinii, Hescheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Franklinii, Frankl	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt la Geoff. " Licht. Rich. " Licht. Rich. Bennett Rich. Aud. et B. Say Bachm. Linn. Schreb. Hodgs. " Schreb. Gmel. Bachm. Linn. Kuhl	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of Found between the Caspian Sea and Lake Aral, on the banks of Found between the Caspian Sea and Lake Aral, on the Danks of the Colorado and the Sond Sea Sea Sarepta on the Volga. From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkana. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Praulel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. From the nountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of latitude. Ranges on the eastern side of the continent of North America, from the most northern woods down to the confuence of the Ohio, with Mississippi. Found likewise on the western side of the continent. Mexico.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesicillatus, geneticulatus, G. Mus (Isoans, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, russatus, Guindiatus, russatus, Guindiatus, russatus, Guindiatus, G. Mus (Nandeleurin, G.) oleraccus, G. Mus (Nandeleurin, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophius, Genus Dendromys, melanotis, Genus Pritecuer, melanura, Genus Criceronys, Gambianus, Genus Criceronys, Gambianus, Mitchellii, Genus Pritecuer, murinus, Mitchellii, Genus Pritecuer, Genus Grebelluus, Indicus, denus Gerebllus, Indicus, curieri, coveri, curieri, curier	Gray Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Bennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Gould " Gould " Gould " Gray Waterh Licht. " Gould " Go	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. "Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Mules, Western Australia and South Australia. Western Australia, and Western Australia, in the neighbourhoof Moore's River. South Australia, and Western Australia, in the neighbourhoof Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ber Southwards to Travancore. Madras. Haftanistan. South Africa.—vicinity of Cape Town. South Africa, near the sources of the Orange River. Senegal. North Africa—Egypt and Arabia Petræa. Egypt. South Africa, western districts, principally north of the Orange Relytricol, Egypt, and Nubia. Arabia Petræa.
ARNUS SPERMOPHILUS. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, musicus, erythrogenys, concolor, fully, f	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Gooff. Bennett Sabine " Licht. Rich. " Licht. Rich. Branctt Rich. " Schreb. Gmel. Bachm. Linn. Kuhl Gray " Wägner Desm. Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray "	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree from the Australian Sea and Lake Aral, on the banks of from the Western the Caspian Sea and Lake Aral, on the banks of Fronthe Altai. On the River Oural; extends from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucass Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Prevait, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Aulley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. From the Aulity region of Nepaul, and in California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th adores on the western side of the continent of North America, from the most northern woods down to the confinence of the Ohio, with Mississippi. Found likewise on the western side of the continent of the continent.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pesticillatus, pesticillatus, G. Mus (Isoars, G. Mus (Isoars, Sundev.) testiculicaudatus, G. Mus (Isoars, Niloticus G. Mus (Akomys, I. Geof.) Cahirimus, dimidiatus, russatus, russatus, G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys. mesomelas, Grenus Perileculer, melanua, Genus Criccromys, Gambianus, Genus Criccromys, Gambianus, Genus Haratoris, albipes, longicaudatus, murinus, Mitchellii, Genus Gerebilus. Indicus, Cuvieri, otaria, eryrinourus, eryrinourus, eryrinourus, sunotanus, pygargus, Libycus, Burtoni pyramidum, tenuis, auricularis, Aegyptius, eryrinourus, eryrinourus, sunotanus, pygargus, Burtoni pyramidum, tenuis, auricularis, Aegyptius, erysnusus, venustus, murinus,	Gray Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Gould " Hardw. Waterh. Licht. Gray Hardw. Waterh. Licht. Gray Hardw. Waterh. Licht. Gray Hardw. Waterh. Smith F. Cuv. Licht. F. Cuv. Licht	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. New South Wales. Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinia. Egypt. Sinia. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia. Gambia district, Western Australia, in the neighbourhood Moore's River. South Australia. South Australia. South Australia. Found almost throughout Hindoostan, extending from Bert Southwards to Travancore. Madras. India. India. South Africa.—vicinity of Cape Town. South Africa.—Supply and Arabia Petresa. Bahr el Abiad.
Grnus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthopyrumus, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Grnus Arcromys, Marmotta, Bobac, Himalayanus, Himalayanus, Himalayanus, Empetra, pruinosus, flaviventer, Genus Aptuodontia, fleporma, Genus Aptuodontia, fleporma, Genus Artuodontia, fleporma, Genus Artuodontia, fleporma, Genus Artuodontia, fleporma, Genus Artuodontia, fleporma, Genus Macnocolus, haltiens, Genus Saccomys, Genus Macnocolus, haltiens, Genus Saccomys, Genus Saccomys, anthophilus.	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Gooff. Bennett Sabine "Licht. Rich. Branett Rich. Aud. et B. Say Bachm. Linn. Schreb. Gmel. Bachm. Linn. Kuhl Gray " User. " User. " " " " " " " " " " " " " " " " " " "	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, extending the Section of the Seth degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Erreroum. Prairies of the Saskatchewan. Prairies and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. California. From the article coasts and Rocky Mountains, down to the 58th Warallel. From the article coasts and Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. From the Alps. Northern hilly region of Nepaul, and in Tibet. Tiblet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. From the Valley of Gombur—Cashmere. From the Walley of Gombur—Cashmere. From the Names on the eastern side of the continents. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of latitude. Rocky Mountains. From the eastern side of the continent of North America, from the sources of the continuence of the Chie, with Mississippi. Found likewise on the western side of the continent. Mexico. Mexico. Trinidad. Coban, Central America.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, peaticillatus, peaticillatus, G. Mus (Isoans, G. Mus (Isoans, G. Mus (Isoans, Miloticus G. Mus (Akomys, I. Geof.) Cahirimus, dimidiatus, russatus, russatus, russatus, G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraceus, G. Mus (Naeleuria, G.) oleraceus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genes Dendromys. mesomelas, Genus Pritecuera, Genus Criccromys, Gambianus, Genus Pritecuera, Genus Criccromys, Gambianus, Genus Pritecuera, Genus Haratoris, albipes, longicaudatus, murinus, Mitchellii, Genus Gerbelluus. Indicus, Cuvieri, otaria, erythrourus, sanotanus, pygargus, Libycus, Burtoni pyramidum, tenuis, auricularis, Aegyptius, tenniurus, runrinus, myosurus, longicaudus, murinus, myosurus, longicaudus, murinus,	Gray Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Pennett. Gray Pennett. Smith Licht. Smith Licht. Smith Jehn Gould "Gould "Gray Licht. Smith Licht. "Gould "Gou	White-footed Hapalotis, Long-tailed "Murine "Mitchell's "Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India, Mahratta Country. Deccan, Madras, and Nepaul. India, Mahratta Country. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. Madras. India. Afghanistan. South Africa, near the sources of the Orange River. South Africa, near the sources of the Orange River. South Africa, expert and Arabia Petrea. Darfour. Egypt. South Africa—Egypt and Arabia Petrea. Darfour. Egypt. South Africa, exetern districts, principally north of the Orange Riveria. Syria. Arabia Petrea. Bahr el Abiad. Syria.
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Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray " Gray "	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree from the Altai. On the River oural; extends Sea and Lake Aral, on the banks of Fron the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai. From the Altai. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altain and mountains of balks. From the Altai. From the Altai. From the Altai. From the Arabic coasts and Rocky Mountains, from the 57th degree dadiction and the Columbia. Upper California. Banks of the Columbia. Frairies, and ranging southwards to Mexico? Mexico and California. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern billy region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. From the mountains between Texas and California. New Calcdonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of latitude. Ranges on the eastern side of the continent of North America, from the most northern woods down to the confuence of the Ohio, with Mississippl. Found likewise on the western side of the continent. Mexico. Mexico. Trinidad. North America. North America, on the banks of the Unper Missouri, where it mites	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandiae, pesicillatus, Beronal Greyine Grey	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. "Ogilby Waterh. " Hardw. Waterh. " Hardw. Waterh. " Hardw. Waterh. " Uint. " " Waterh. " " Waterh. " " " " " " " " " " " " " " " " " " "	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phlosomys, Indian Gerbillus, Cuvier's "	New South Wales, Port Essington. New South Materalia. Port Essington. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. Madras. Afghanistan. South Africa—icinity of Cape Town. South Africa, near the sources of the Orange River. Senegal. North Africa—to the north of Latakoo. South Africa, western districts, principally north of the Orange R Tunis, Tripoli, Egypt, and Nubia. Syria. Arabia Petrea. Bahr el Abiad. Syria. West coast of Arabia. Algiers (and Tunis?) South Astrica, pottons of Russia.
Grnus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, Eversmanni, Citillus, erythrocenys, concolor, santhoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Grnus Arcromys, Marmotta, Harrinetta, Bernus Arcromys, Marmotta, Bernus Arcromys, Marmotta, Enynes, Grnus Arcromys, Marmotta, Bernus Arcromys, Marmotta, Bernus Carons, Himalayanus, Thibetanus, Grnus Carons, Fiber, Canadensis, AMILY Genwus Castore. Fiber, Canadensis, Cenus Hareromys, Thompsoni, Cenus Macrocolus, halticus, Genvus Saccomys, Thompsoni, Doesmarestii, Genvus Saccomys, fasciatus, Genvus Geomys,	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. " Licht. Rich. Brandt Is. Geoff. Bennett Sabine Bennett Sabine Bennett Sabine Bennett Rich. " Linn. Schreb. Gmel. Bachm. Rich. " Linn. Kuhl Gray " " Uspace Sabine " Linn. Kuhl Gray " " " " " " " " " " " " " " " " " " "	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree from between the Caspitan Sea and Lake Aral, on the banks of Foun between the Caspitan Sea and Lake Aral, on the banks of the Colorado. The Colorado Sea Caspitan Sarepta on the Volga. From the Altai. On the River Oural; extends from about the 50th to the 50th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Persia, particularly in the great plain of Sultania. Erzeroum. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. California. California. California. California. California. From the arctic coasts and Rocky Mountains, down to the 58th parallel. Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the Valley of Gombur—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. From the Audien of Fith degrees of latitude. Ranges on the eastern side of the continent of North America, from the most northern woods down to the confinence of the Ohio, with Mississippi. Found likewise on the western side of the continent. Mexico. Mexico. North America, North America, on the banks of the Upper Missouri, where it unites with the Vellow-stone River; occurs also in the neighbourhood of the Mandard wilages.	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, John Standise, John Standise, John Standise, G. Mus (Isoars, Sundev.) testicularis, Niloticus G. Mus (Isoars, Sundev.) Cahirinus, dindidatus, dindidatus, G. Mus (Golunda, Gray) Elilotii, G. Mus (Golunda, Gray) Elilotii, G. Mus (Vandeleuria, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Bydrophilus, Genvis Deedromys, Genvis Deedromys, Genvis Deedromys, Genvis Chellii Genvis Chellii Genvis Philotophilii Genvis Philotop	Gray Gould "Wat. Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Ssnith Licht Smith F. Cuv. Licht. "Waterh. "Hardw. Waterh. "Hardw. Waterh. "Cuv. Gray "Hardw. Waterh. "Waterh. """ """ """" """""""""""""""""""""""	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. 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Ginus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, Eversmanni, Citillus, erythrogenys, concolor, musicus, Eversmanni, Citillus, erythrogenys, concolor, musicus, Eversmanni, Citillus, erythrogenys, concolor, musicus, Farakinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Genus Arcromys, Marmotta, Bobac, Bernus Arcromys, Marmotta, Bobac, Harietanus, caudatus, Empetra, pruinosus, flaviventer, Genus Artudodovita, Genus Artudodovita, Fiber, Canadensis, AMILY Genus Dipodomys, Fiber, Canadensis, AMILY Genus Bipodomys, Fiber, Canadensis, AMILY Genus Hereromys, Thompsoni, Desmarestii, Genus Perdodatus, Thompsoni, Desmarestii, Genus Perdodatus, Genus Perdodatus, Thompsoni, Desmarestii, Genus Perdodatus, Thompsoni, Desmarestii, Genus Perdodatus, Thompsoni, Douglasii, Townsendii,	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt la Geoff. " Licht. Rich. " Licht. Rich. Bennett Rich. Aud. et B. Say Bachm. Linn. Schreb. Hodgs. " Schreb. Gmel. Bachm. Linn. Kuhl Gray " Wagner " Desm. Gray " " Veuw. " Neuw.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. 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Gahirimus, dimidiatus, russatus, G. Mus (Vandeleurin, G.) oleraceus, G. Mus (Nasokia, Gray) Hardwickii, Kok, hydrophilus, Hardwickii, Genus Dendromys, melanotis, Genus Cheromys, Genus Criceromys, Gambianus, Genus Criceromys, Gambianus, Genus Criceromys, Gambianus, Mitchellii, Genus Philoomys, Lumingii, Genus Philoomys, Cuningii, Genus Gerebillus, Indicus, Cuvieri, otaria, genus Gerebillus, Indicus, Cuvieri, otaria, ser, montanus, pygargus, Libycus, Burtoni pyramidum, tenuis, myosurus, longicaudus, murinus, myosurus, longicaudus, shavii, pyramidum, tenuis, myosurus, longicaudus, shavii, myosurus, longicaudus, Shavvii, paladicinus, meridianus, meridianus, meridianus, meridianus, meridianus, meridianus, meridianus,	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. "Ogilby Waterh. " Hardw. Waterh. " Hardw. Waterh. " Hardw. Waterh. " Uint. " " Waterh. " " Waterh. " " " " " " " " " " " " " " " " " " "	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood Moore's River. New South Wales. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Southwards to Travancore. Madras. Arghanistan. South Africa—eicnity of Cape Town. South Africa, near the sources of the Orange River. Senegal. North Africa—te he he north of Latakoo. South Africa, western districts, principally north of the Orange River. Egypt. South Africa, western districts, principally north of the Orange Riveria, Trinis, Tripoli, Egypt, and Nubia. Syria. Arabia Petreva. Bahr el Abiad. Syria. West coast of Arabia. Algiers (and Tunis?) South-Aarbo protions of Russia.
Ginus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Cicillus, erythrogenys, concolor, musicus, ferensmanni, Cicillus, erythrogenys, concolor, fullus, erythrogenys, concolor, musicus, ferensmanni, Cicillus, ferensmanni, ferensmanni, ferensmanni, franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, parryi, annulatus, lateralis, Townsendii, Genus Arcromys, Marmotta, Bobac, Humilamus, candatus, Empetra, franklamus, caudatus, Empetra, franklamus, caudatus, Empetra, franklamus, ferensmanni, fe	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. " Licht. Rich. " Licht. Rich. " Say Bachm. Linn. Schreb. Gmel. Bachm. Linn. Kuhl Gray " Wägner Desm. Gray F. Cuv. Neuw. Rach. Rac	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of Found between the Caspian Sea and Lake Aral, on the banks of Found between the Caspian Sea and Lake Aral, on the banks of Found between the Caspian Sea and Lake Aral, on the Solth other Solth other Solth other Solth Control of the Colorado of the Calcado of the Cal	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, peaticillatus, geneticillatus, G. Mus (Hollandise, geneticillatus, gracilicaudatus, G. Mus (Isoans, Sundev.) testiculia. G. Mus (Isoans, Sundev.) testiculia. G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraccus, G. Mus (Vandeleuria, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys. mesomelas, Genus Dendromys. Genus Criccromys, Gambianus, Genus Philecomys, Gambianus, Genus Haraloris, albipes, longicaudatus, murinus, Mitchellii, Genus Gerbelluus. Indicus, Cuvieri, otaria, erythrourus, sentianus, pyrangus, Libycus, Burtoni pyramidum, tenuis, auricularis, Aegyptius, tenniurus, myosurus, longicaudus, shawii, pallidus, tamaricinus, myosurus, longicaudus, shawii, pallidus, tamaricinus, myosurus, longicaudus, Shawii, pallidus, Genus Psammonys. Genus Psammonys.	Gray Gould "Wat. Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Hodgs. Ssnith Licht Smith F. Cuv. Licht. "Waterh. "Hardw. Waterh. "Hardw. Waterh. "Cuv. Gray "Hardw. Waterh. "Waterh. """ """ """" """""""""""""""""""""""	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—neighbourhood floore's River. New South Wales, Western Australia, in the neighbourhood Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben, South Australia. Afghanistan. South Africa—vicinity of Cape Town. South Africa—vicinity of Cape Town. South Africa—to the north of Latakoo. South Africa—to the north of Latakoo. South Africa, western districts, principally north of the Orange Ri Tunis, Tripoli, Egypt, and Nubia. North a Petrava. Bahr el Abiad. Syria. West coast of Arubia. Algiers (and Tunis?) Southeast portions of Russia. Vicinity of the Caspian Sea.
Grnus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Cicillus, crythrogenys, concolor, santhoprymnus, Eversmanni, Cicillus, erythrogenys, concolor, printing, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Grnus Arcromys, Marmotta, Bobac, Himalayanus, Himalayanus, Himalayanus, Empetra, pruinosus, flaviventer, Genus Aptudonytia, Genus Artudonytia, Genus Macrocous, haltiens, Genus Macrocous, haltiens, Genus Macrocous, haltiens, Genus Macrocous, flowny Peroonatrutus, fasciatus, Genus Peroonatrutus, fasciatus, Genus Peroonatrutus, fasciatus, Genus Geomys, Townsendii, Douglasii, bublivorus, pinetus, pinetus, juliovorus, pinetus, juliovorus, pinetus, juliovorus, pinetus, juliovorus, pinetus, juliovorus, jul	Licht. Brandt. Eversm. Menetr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine "Licht. Rich. Bennett Rich. Bennett Sabine " Licht. Rich. Bennett Sabine " Licht. Rich. Bennett Rich. Bennett Rich. Bennett Rich. Bennett Rich. " Linn. Schreb. Gmel. Bachm. " Linn. Kuhl Gray " Schreb. Gray " Cornet Gray " Wagner " D'esm. Gray " Rafin. Bach. Rich. "	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. Son the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of From the Alfai. Son the River Oural; extends from about the 50th the 56th degree of north latitude. Common at Orenbourg. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Alfai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Alfai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Prairies of the Saskatchewan. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. Eastern declivity of the Rocky Mountains, down to the 58th Western prairies. Eastern declivity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Northern hilly region of Nepaul, and in Tibet. Northern hilly region of Nepaul, and in Tibet. Rocky Mountains. From the Valley of Gombun—Cashmere. Frequents the woods of Canada, and the fur countries up to the 60th parallel. Rocky Mountains. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of latitude. Ranges on the eastern side of the continent of North America, from the most northern woods down to the confuence of the Ohio, with Mississippi. Found likewise on the western side of the continent. Mexico. Mexico. North America. North America. North America. North America on the banks of the Upper Missouri, where it unites with the Yellow-sto	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, peateillatus, geneillacudatus, G. Mus (Isoans, Sundev.) testiculiandatus, G. Mus (Isoans, Sundev.) testiculiandatus, russatus, G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Golunda, Gray) G. Mus (Vandeleuria, G.) oleraceus, G. Mus (Nesokia, Gray) Hardwickii, Kok, hydrophilus, Genus Dendromys, mesomelas, Genus Crectomys, Gambianus, Genus Prinecuer, Genus Criccomys, Gambianus, Genus Prinecuer, Gambianus, Genus Prinecuer, melanus, Mitchellii, Genus Prinecuer, Cumingii, Genus Gebelluus. Indicus, Cuvieri, otavia, erythrourus, aier, pyramidum, tenuis, Burtoni, pyramidum, tenuis, auricularis, Burtoni, pyramidum, tenuis, auricularis, Egyptius, tenniurus, evenusbus, murinus, myosurus, longicaudus, shawii, pallidus, tamaricinus, merdianus, myosurus, longicaudus, Shawii, pallidus, tamaricinus, merdianus, myosurus, longicaudus, Shawii, pallidus, tamaricinus, merdianus, merdianus, denus Malacottrikus, albiequadata, slienus Malacottrikus, albiequadata,	Gray Gould "Wat. Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Pennett. Gray Pennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. "Gould "Gray Hardw. Waterh. Licht. F. Cuv. Licht. F.	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben Madras. India. Afghanistan. South Africa—vicinity of Cape Town. SouthAfrica, near the sources of the Orange River. Senegal. North Africa—to the north of Latakoo. South Africa, western districts, principally north of the Orange River. South Africa, western districts, principally north of the Orange River. South Africa, western districts, principally north of the Orange River. Syria. West coast of Arabia. Algiers (and Tunis?) South-east portions of Russia. Vicinity of the Caspian Sea. " " Abyssinia. Egypt, Alexandria, and Tunis.
Ginus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Farankinni, Hoodii, Mexicanus, Douglasii, Beecheyi, macrourus, Parryi, annulatus, lateralis, Townsendii, Genus Arcromys, Marmotta, Bobac, Himalayanus, Himalayanus, Himalayanus, Empetra, pruinosus, flaviventer, Genus Aptuodontia, Genus Arcromys, Marmotta, Bobac, Himalayanus, Himalayanus, Himalayanus, Himelayanus, Himelayanus, Genus Artuodontia, Genus Macnocolus, haltieus, Genus Geomys, Townsendii, Douglasii, bulbivorus, bursarius, pursarius, pursariu	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine "Licht. Rich. Branett Rich. Aud. et B. Say Bachm. Linn. Schreb. Gmel. Bachm. Linn. Kuhl Gray " Linn. Kuhl Gray " Vagner " Cev. " Neuw. " Shaw Rafin. Rich. " Shaw Rafin. Rich. " Licht.	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In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. Rocky Mountains. From the mountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. The Rocky Mountains. From the mountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. The Hollan	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, peaicillatus, peaicillatus, greying the second of the seco	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Rennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Ugilby Waterh. " Hardw. Waterh. " Hardw. Waterh. " Ugilby Waterh. " Wagner Smith F. Cuv. Licht. Gould " Wagner F. Cuv. Licht. " Desm. Wagner Sundev. " Wagner Pall. " Wagner Pall. " Wagner Rüppell. Smith "	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. New South Wales, Western Australia, in the neighbourhood Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben, South Africa—vicinity of Cape Town. 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Grnus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, Eversmanni, Citillus, erythrogenys, concolor, xanthoprymnus, Richardsoni, Franklinii, Hoodii, Mexicanus, Douglasii, Beecheyi, macroutus, Interalis, Tarryi, annulatus, lateralis, Tawnaendii, Grnus Arctomys, Marachans, Bobac, Himalayanus, Thibetanus, Grnus Arctomys, Ravienter, Genus Artuodontia, leportna, Genus Genus Genus Genus Genus, Antilus, Jenus Faccontys, anthophilus, Humarius, Jouenalii,	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. Bennett Rich. Bachm. Schreb. Hodgs. " Schreb. Gmel. Bachm. Kuhl Gray " Schreb. Gray " Schreb. Rich. " Linn. Kuhl Gray " Sagner " " Linn. Kuhl Gray " " Sagner " " Linn. Kuhl Gray " " Sagner " " " Shaw Rafin. Bach. Rich. " Shaw Rafin. Rich. " Shaw Raf	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's " Hode on Douglas' " Beechey's Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobae " Nepaul " Tibet " Long-tailed " Ung-tailed " Townsend's " How Marmot, Bobae " Nepaul " Tibet " Long-tailed " Long-tailed " Long-tailed " Townsend's " Long-tailed " Townsend's " Long-tailed " Townsend's " Hohoary " Yellow-bellied Marmot, The Sewellel, European Beaver,	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspitan Sea and Lake Aral, on the banks of Found between the Caspitan Sea and Lake Aral, on the banks of Found between the Caspitan Sea and Lake Aral, on the banks of Control and Westwards as far as Sarepta on the Volga. From the Altai. On the River Oural; extends from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. From the Altai. From the Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. And Paral, P	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, Nova-Hollandise, pestelliatus, pestelliatus, gradilicaudatus, G. Mus (Isoars, Sundev.) testicularis, Niloticus G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, G. Mus (Akomys, I. Geor.) Cahirinus, dimidiatus, G. Mus (Vandeleurin, G.) oleraccus, G. Mus (Nesokia, Gray) Hardwickii, Kok, Kok, G. Mus (Nesokia, Gray) Hardwickii, Genus Debarbamys, melanotis, Genus Debarbamys, Genus Pittlecher, melanura, Genus Cateronys, Gambianus, Genus Pittlecher, Mitchellii, Genus Creebllii, Genus Creebllius, Indicus, curieri, otaria, erythrourus, afer, montanus, pygargus, Burton, pygargus, Burton, pyramidum, tenuis, auricularis, Egyptius, tamaricinus, meridianus, meridianus, meridianus, shawii, pallidus, tamaricius, denus Mallocaudata, typica, Genus Mallocaudata, typica, Genus Mallocaudata, typica, Genus Mallocaudata, typica, Genus Mallocaudata, Genus Euryoris, irrorata,	Gray Gould " Wat. Gould " Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Hodgs. Smith Icht. Gould " Hodgs. Smith F. Cuv. Gray Waterh. " Hardw. Waterh. F. Cuv. Licht. Smith Desm. Wagner Preprint Wagner Rüppell. Smith " Licht.	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cuming's Phleomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales, Port Essington. Darling Downs. " (Oakley Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Sinai. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. " Java and Sumatra. Gambia district, Western Africa, and Fernando Po. New South Wales, Western Australia and South Australia. Western Australia.—aeighbourhood floorer's River. New South Wales, Western Australia, in the neighbourhood Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoostan, extending from Ben, Southwards to Travancore. Madras. India. Afghanistan. South Africa—vicinity of Cape Town. Senegal. North Africa—it he sources of the Orange River. Senegal. North Africa—to the north of Latakoo. South Africa, western districts, principally north of the Orange Riven, India, Algiers (and Tunis, Tripoli, Egypt, and Nubia. Syria. West coast of Arubia. Algiers (and Tunis?) South Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—at Graham's Town, and north of the Orange Rivers, and Africa—common in certain parts tow, (Interior districts of South Africa—common in certain parts tow, (Interior districts of South Africa—common in certain parts tow, (Interior districts of South Africa—common in certain parts tow, (Interior districts of South Africa—common in certain parts tow, (Interior dist
Ginus Spermophilus. fulvus, mugosaricus, brevicaudatus, undulatus, musicus, Eversmanni, Citillus, erythrogenys, concolor, musicus, Eversmanni, Citillus, erythrogenys, concolor, fullus, erythrogenys, concolor, fullus, erythrogenys, concolor, fullus, fullu	Licht. Brandt. Eversm. Mémétr. Brandt. Linn. Brandt Is. Geoff. Bennett Sabine " Licht. Rich. " Licht. Rich. " Say Bachm. Linn. Schreb. Gmel. " Linn. Kuhl Gray " Linn. Kuhl Gray " Kuhl Gray " Linn. Kuhl Gray " Linn. Kuhl Gray " Kuhl Gray " Kuhl Gray " Kuhl Gray " Neuw. " Neuw. " Neuw. " Neuw. " Neuw. " Neuw. Neuw.	Fulvous Spermophilus, Short-tailed "Wave-marked " Eversmann's " Red-cheeked " Erzeroum "Richardson's " Franklin's "Hood's " Mexican "Douglas' " Beechey's "Long-tailed " Parry's " Ring-tailed " Flank-striped " Townsend's " Alpine Marmot, Bobac " Nepaul " Thee Time Time " Long-tailed " Long-tailed " Thee Time Time Time Time Time Time Time Ti	Common in woods on the west coast of North America. Plentiful along the banks of the Rio Colorado. On the banks of the southern portions of the River Oural, extending northwards to about the 50th degree Found between the Caspian Sea and Lake Aral, on the banks of the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, and westwards as far as Sarepta on the Volga. On the River Oural, extending from about the 50th to the 56th degree of north latitude. Common at Orenbourg. On the Caucasus Mountains, extending nearly up to the snow line. From the Altai. Found in Austria; extends northwards into Silesia, and eastwards through temperate Europe, and into Siberia. Altai Mountains, and mountains of Balkash. Persia, particularly in the great plain of Sultania. Enalts of the Saskatchewan. Prairies of the Saskatchewan. Prairies of the Saskatchewan. Prairies, and ranging southwards to Mexico? Mexico and California. Banks of the Columbia. Upper California. California. From the arctic coasts and Rocky Mountains, down to the 58th wardle. From the activity of the Rocky Mountains, from the 57th degree down to the sources of the Arkansas. Inhabits the prairies on the Wallawalla (Columbia River). From the Alps. In Poland, Russia, Siberia. Northern hilly region of Nepaul, and in Tibet. Tibet. Perhaps the same as A. Bobac. From the mountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. Rocky Mountains. From the mountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. The Rocky Mountains. From the mountains between Texas and California. New Caledonia, and the banks of the Columbia River. In the rivers of temperate and northern Europe and Asia, between the 36th and 67th degrees of Institude. The Hollan	Greyi, delicatulus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, hirsutus, Novae-Hollandise, pestelliatus, pestelliatus, grendilicaudatus, Gr. Mus (Isonrs, Sundev.) testicularis, Niloticus Gr. Mus (Akomys, I. Geor.) Cahirimus, dimidiatus, russatus, Gi. Mus (Akomys, I. Geor.) Cahirimus, dimidiatus, Gr. Mus (Vandeleuria, G.) oleraccus, G. Mus (Nesokia, Grary) Hardwickii, Kok, kok, hydrophius, Gr. Mus (Nesokia, Grary) Hardwickii, Gr. Mus (Nesokia, Grary) Hardwickii, Gr.	Gray Gould "Watk Gould "Sundev. Is. Geoff. Cretzch. Wagner Gray Rennett. Gray Rennett. Gray Rennett. Gray Hodgs. Smith Licht. Smith F. Cuv. Licht. " Ugilby Waterh. " Hardw. Waterh. " Hardw. Waterh. " Ugilby Waterh. " Wagner Smith F. Cuv. Licht. Gould " Wagner F. Cuv. Licht. " Desm. Wagner Sundev. " Wagner Pall. " Wagner Pall. " Wagner Rüppell. Smith "	White-footed Hapalotis, Long-tailed " Murine " Mitchell's " Cumig's Phlocomys, Indian Gerbillus, Cuvier's "	New South Wales, South Australia. Port Essington. New South Wales. Port Essington. Darling Downs. "Couldey Creek.) Bahr el Abiad. Nubia, Abyssinia, and Arabia. Egypt. Simi. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Deccan, Madras, and Nepaul. India. Mahratta Country. Northern and central hilly districts of Nepaul. South Africa. "Java and Sumatra. Gambia district, Western Australia and South Australia. Western Australia—neighbourhood of Moore's River. South Australia, and Western Australia, in the neighbourhood Moore's River. Island of Luzon (Philippines). Found almost throughout Hindoestan, extending from Ber Southwards to Travancore. Madras. India. Afghanistan. South Africa—vicinity of Cape Town. SouthAfrica, near the sources of the Orange River. Senegal. North Africa—Egypt and Arabia Petræa. Darfour. South Africa—to the north of Latakoo. South Africa—to the north of Cape Town.

(TABLE II.—continued.)

Property				(TABLE II.	.—continuea.)			
The content of the	albipes,	Wagner.		Geographical Distribution.	fasciculata,	Shaw	Indian Brush-tailed Porc.	Siam and the Malay Peninsula,
The content of the property of of the	australis (chrysogaster & leucogaster of authors.			New South Wales, Western Australia, South Australia, and Van Diemen's Land.	Africana,		African Brush-tailed Porc.	
Company	GENUS CRICETUS, .	F. Cuv.	The Hamster.				Canada Paraunina	North America between the 27th and 67th
March Marc				Caucasus; in the west of Siberia to the Obi, north to lat. 60°. In the Crimea, and in the neighbourhood of the Volga, the Oural and Irtish rivers		Brandt Gray		
The content of the		Brandt Waterh.	Golden Hamster,	In the Caucasus. Aleppo.	GENUS CERCOLABES,	Brandt		
March Marc					platycentrotus	Brandt		
March Marc				Caspian Sea; found also in Persia. On the Irtish River. Siberia.	bicolor,	Tschudi F. Cuv.		Peru (east side of the Andes). Brazil.
Property of the content of the con	furunculus,	Waterh.	New World Rats.	On the Obi, and in Dauria.	melanurus.	Wagner		Surinam, and northern parts of Brazil.
Mary	Braziliensis,	Is. Geoff		Martinico, Bahia, Bahia Blanca, and Bolivia. Brazil, Province of San Paulo	pallidus,	Waterh.		West Indies ?
March Marc	vulpinus,			Near the Uruguay.	GENUS DASYPROCTA,	Illiger Linn.	The Agonti	North and east parts of Bravil
March Marc	leucogaster,	Brandt Neuw.	: : : : :	Brazil.	Azaræ,	Desm. Licht.		Surinam, Paraguay, Bolivia, and the southern parts of Brazil.
Part	sciureus,		::::::	Brazil, at Rio Francisco.	croconota,			Brazil, in the region of the Amazon River.
March 1995 Marc	subflavus,	Wagner		"Bahia, Brazil.	albida.			of Northern provinces of Brazil, and near Borba, in Brazil, and in the region of the Rio Negro above the Coco. St Vincents West India.
March Marc	nigrita,	Licht.	:::::	Rio de Janeiro. Bolivia.	Acuschy,	Erxl.		Guiana.
March Marc	obscurus,	"	1::::::	,,	Genus Cœlogenys,	F. Cuv.		
Services of the control of the contr	gracilipes,	19		Bahia Blanca. Bolivia.	SECT. 4. ECHIMVINA		Spotted Cavy, or Paca,	Andes, down to Paraguay.
Company Comp	melanostoma, leucodactylus,	Tschudi	::::::	Peru.	Swinderianus.		Sierra Leone Ground Rat,	Sierra Leone and Gambia districts.
Processing Process P	griseo-flavus,		:::::	Klo Negro.	sulcidens,	Lund Jourdan		
Company Comp	canescens,			Port Desire.	cristata,	Is. Geoff. Licht.		Surinam—Cayenne. Para, Brazil.
March Marc	Magellanicus,			Chile; abundant in the wooded country south of Conception and in	Blainvillii, armatus,	Is. Geoff.		Cayenne,
Company Comp	brachiotis,	Waterh.		On a small island in Midshin Bay Chones Archinelege	obscurus,			Carthagena.
Company Comp	Darwinii.	"		Chile, Coquimbo. Valparaiso, and Colchagua. Valparaiso.	antricola.	Rüppell	: : : : :	Interior of Brazil.
March Marc	megalonyx,	Wagner	:::::	Brazil,	macroura (Natt.) . nigrispina (Natt.) . Genus Isomunia			
March Marc	cinnamomeus, .	Licht.		Bahia, Rio Janeiro—and Paraguay ? Bahia, Brazil.	picta, bistriata (Natt.)	Ficter		Bahia, Brazil. From Rio Guanore, Brazil
First Proceedings	caniventris,	Wagner		Brazil."	pachyura (Natt.) .	"		Brazil.
Proc. Proc	concolor, fuliginosus (Natt.)	,,	1:::::	From Ipanema, Brazil.	Genus Echimys, . Cayennensis, .		Cayenne Spiny Rat, .	Cayenne, Peru, and Brazil.
The control of the co	pygmæus ,, . brachyurus ,, .	"	1::::::	From Itaraca, Brazil.	albispinus, fuliginosus,	Is. Geoff. Wagner	White-spined ,, Sooty Spiny	Brazil.
Angle	leucodactylus ,, .			From Rio Parana, Brazil. From Labrador.	spinosus, inermis,	Desm. Pictet		Paraguay.
March Marc	South American Mus		have been described as mem	bers of the Genus Mus, but which require further examination.1	typus,			Probably Brazil.
Company Comp	callosus,	,,		Paraguay,	ecaudatus (Natt.)	"		
March 1.5 1.	cephalotes, Laucha,			"	GENUS CERCOMYS, . cunicularis,			Brazil.
Part	nigripes, tomentosus,		:::::	Woody parts of Uruguay.	typicus,			§ S. Africa—found on the rocky hills which occur towards the mouth of the Orange River.
Service of the control of the contro	leptosoma,	,,		Brazil. Bahia, Brazil.	Fournieri,	Poeppig	Fournier's Capromys, Prehensile-tailed	
SCHOOL CONTROLLED TO THE CONTR	mastacalis, vulpinus,				GENUS PLAGIODONTIA.	F. Cuv.		Saint Domingo, West Indies.
See a comment of the	longicaudus,	"	1 : : : :	"	Coypus,	Is. Geoff. Molina		
Hardware in the control of the contr	expulsus,	"	:::::	"	GENUS OCTODON, .			f Central provinces of Chile—extends as far north as 98° and in the
Control of the contro	fossorius,2	19			Bridgesii,	Waterh.	Cuming's Octodon, . Bridges' ,,	e southern direction to 35° lat.
Grant Accounts of the control of the	mycterus), nasutus,	Waterh.		Maldonado, La Plata.		D'Orb.		
One Statement of S	GENUS HESPEROMYS (Calo)-		Bahia, Brazil.	fuscus, GENUS SPALACOPUS,			
Service Servic	elegans,	"	: : : : :	Maldonado, La Plata.	GENUS CTENOMYS, .	De Blain.		
General Control (1997) The Control Control (1997)	leucopus,	Raf.	1:::::	Maldonado, La Plata, and Bahia, Brazil.	leucodon, Boliviensis,	**		Bolivia, from the Puna, between Cochabamba and La Paz. In the warm plains of Santa Cruz de la Sierra, Bolivia
Growth Statement of the Company of t	GENUS AKODON, .				torquatus	Licht.		Straits of Magalhaens—Port Gregory.
Section of the control of the contro	GENUS DRYMOMYS, .				Bennettii,	**		Chile, near Aconcagua.
Foreigners, 1947 Co. 2007 Co.	cuniculoïdes,			St. Cruz, St. Julian, and Port Desire, Patagonia.	S. 6. CHINCHILLINA.			
Foreigners, 1947 Co. 2007 Co.	chinchilloïdes, .	••		Maldonado, La Plata. Southern shore of the S. of Magalhaens, near the eastern entrance.	lanigera,	Molina	The Chinchilla,	both sides of the Andes; in height it ranges between 12,000 and 14,000 feet. The best skins come from the Argentine provinces and
Orse Statements Sept of Col.	Floridana, Drummondii.	"	Florida Rat.		brevicaudata,	Waterh.	Short-tailed Chinchilla,	
Service of the control of the contro	GENUS SIGMODON, .		Rocky Mountain Mesloma	Florida.	Peruanum, pallipes,	Bennett	: : : : :	On the Andes of Peru, Bolivia, and Chile. On the Andes of Peru and Bolivia.
Manuscane, Service of the control of		Harlan	Rufous,	Cotton fields on the Mississippi. (This is probably identical with the preceding species.)	trichodactylus, .			
Lange Control (Lange Control)	GENUS RHIZOMYS		Bamboo Rat.	Malacca.	GENUS CERODON, .	F. Cuv.		
GENERAL COLLINGS GENERAL COLL	badius,	Hodgs.	Chinese Bamboo Rat, .	China, Lower and central hilly districts of Nepaul, Dargulling and Siam.	GENUS DOLICHOTIS, .	Desm.		
Description of the control of the co	castaneus,	M'Clellan		Tenasserim.	GENUS CAVIA,	Klein		
G. Hornesterstein, C. F. L. Sam, Adyraina. Seed of Control Extractives. Grave Research. Grave Research. Grave Research. Grave Research. Grave Research. Found in the Control Research Research and the west of Shading, extending Net bid. 50. Grave Statistics. Found in the Control Research Research and the west of Shading, and watershade the Research Resea	splendens	Wagner			flavidens, leucopyga,	Brandt	Yellow-toothed Guinea P. White-rumped	Brazil.
October Activities of the Company of the State of States actuality N. See 10. 50. 50. 50. 50. 50. 50. 50. 50. 50. 5	G. HETEROCEPHALUS,	"			fulgida,	Bennett Wagler	Cutler's ,,	Brazil, in the Amazon district.
Section Command New Comm	talpinus,	Pall.		Temperate Russia, and the west of Siberia, extending N. to lat. 55°.	nigricans,	Wagner	: : : : :	
Section Command New Comm	Pallasii,			Found in the Government of Ikaterinoslav, S. Russia, and extends	Kingii,	Bennett		Negro (lat. 41°) to the Strait of Magalhaens; it is found likewise nearly throughout Bolivia, but always here on very elevated land.
De Control March	Typhlus.		Mole Rat.		GENUS HYDROCHERUS,		m- G-21	occurring at heights of from 10,000 to 12,000 feet. [Inhabits South America, extending from Guiana in the north, to the
Genve Any Condand Lafey and photographic analysis and photographic ana	Aspalax,	Brants Pall.						
methods of the properties of the control of the con	SECT. 6. ARVICOLINA. GENUS ARVICOLA, .	Lacép.			Genus Lepus,		HARE FAMILY).	
And the control of the policy of the control black	amphibius,	-	Water Vole, or Water Rat of England,	Found throughout Europe, and in Siberia, extending eastwards as far as the River Lena, and northwards to the Arctic Ocean.	timidus,			Inhabits Europe, extending eastwards apparently almost to the Oural Mountains.
Activals, Martin Camp Flad Value de Egg. Acrystia, Leas, Le	ratticens.	Keys. et B.	: :	to a considerable height.	canescens,	Nilsson		Scandinavia.
Servita, Lune, Section (probably the same as the A. aggretis of Linnswy). Section (probably the same as the A. aggretis of Li	nivalis,	Martin Pall.		Throughout Europe, and in Siberia.	hybridus, Mediterraneus.	Desm. Wagner		Russia, between the 55th and 63d degrees of north latitude.
Berneles, C. London, Schein, S	agrestis, neglectus,	Linn. Thomps.		Sweden. Scotland (probably the same as the A. agrestis of Linnæus).	Tolai,	Linn. Pall.	The Tolai Hare	S. and W. parts of Europe, and the greater part of Germany. Hilly situations in Dauria and Mongolia.
Brother Williams and Williams a		{ Lonch.	The Poul W.	Italy.	macrotis, nigricollis,	Hodgs. F. Cuv.	Large-eared ,, Black-necked ,	India, Madras, Deccan, Java, and the Mauritius.
Becomminy Voles, Sheric an alging perfeits a silication, and in the comming of the Carpian San, ard extends into greatly and the single-perfeits of the Carpian San, ard extends into greatly and the single-perfeits Research Medical Policy of Carbon Sand Andrews, and Carbo			The Dank Vole of Eng.	Sweden, Finland, N. Russia and Siberia, and extends into Kamt-	ruficaudatus, hispidus,	Is. Geoff.	Red-Tailed ,,	Bengal.
and intrology of the control of the Capitas Sea, are extends into green in the control of the Capitas Sea, are extends into green in the control of the Capitas Sea, are extends into green in the control of the Capitas Sea, are extends into green in the Capitas Sea, are extended in the Capitas Sea, and the Capitas Sea, are extended in the Sea Sea, and extended in the Se	ceconomus, saxatilis,	,,		Siberia.	Sinensis, brachyurus,	Gray	Chinese ,,	China,
Persia and South Results. From delinests. From and South Results. From and South Results. Fr	alliarius,	"		Diffused throughout Siberia.	Asgyptius, isabellinus,	Is. Geoff. Chretz,	Egyptian ,, Isabelline ,,	Egypt. North Africa, Nubia.
Syria. **Corporation** **Port Assertion** **Species**	gregalis,	.,		Eastern Siberia.	Sinaiticus, Syriacus,	Hemp. and Ehr.	Sinai Syrian ,,	Sinai. Syria.
State Paraly France Para	Roylei,	Gray		Syria.	Arabicus, saxatilis,	F. Cuv.	Arabian	Deserts of Arabia, near Confodah, and in Arabia Felix at Loheia
Scand " " " American Scandard Wagner Species " " Sand " " " " " American Species " " Sand " " " " " " " " " " " " " " " " " " "	xanthognathus, .	Leach	Yellow-nosed Vole.	Hudson's Bay.	crassicaudatus, .	Schreb. Is. Geoff.	Common Cape ,, . Thick-tailed ,, .	
borealis, priorients, we were a content in the State of Alabama, and the State of Alabam	riparius, novoboracensis.	Ord	Wilson's Vole,	United States.				" "
projectorum, Locuted, Fine forces of Georgia, Sayles, Caustin, Sayles, California, Say	borealis,	Richards		Behring Strait.			Polar " .	
Columbia River. Columbia River. Columbia River. Columbia River. Columbia River. Long Island, vicinity of New York. Consida, De Kay. Concida, De Kay. Concida, De Kay. Common in the western part of the State of New York. Common in the western part of Nigara, and N, parts of New York. Common in the western parts of Nigara, and N, parts of New York. Common in the western parts of the State of New York. Common in the western parts of the State of New York. Common in the western parts of the State of New York. Common in the western parts of the State of New York. Common in the western parts of the State of New York. California. Perian Common in the western parts of the State of New York. California. California. Texianus, Continuing. Pall. Common in the western parts of the State of New York. California. Texianus,	pinetorum,	Wagner Le Conte.	: : : : :	North America. Pine forests of Georgia.	Americanus, .	Erxl.	American	
Oncida, De Kay. refusecna, refuse	Sayi,			South Carolina.				extends northwards to the 64th parallel. Found in the western part of the State of Alabama, in the State of
Oncida, De Kay. refusecna, refuse	Oregoni, Labradorius.	"						Intabits the prairies on the Wallawalla, west of the Rocky Moun-
Oneidia, De Kay. refuseens,	fulvus,	**			Bachmani,	Waterh.	p. 1	
GRUES LEARMINS, Norway Lemming, Sweden and Norway.	Oneida,			Neighbourhood of Oneida Lake, and in Hamilton and St. Lawrence	callotis,	Wagler Gray.	Californian ,, :	From Mexico, and the part of California which adjoins. California.
Norway Lemming, Pall Obensis, Brants Degrands, Pall Degrands, Pa)))		counties.	Townsendii,	Bachm.	Texian ", .	
Donesis, Braits Pall Pall	refuscens, leucogaster,	Pr. v. N.	Norway Lemming, .	Sweden and Norway.	longicaudatus, Richardsonii	,,		California
GENUS FIRER. GENUS GENUS GENUS COLOR AGENT COLOR AGEN	refuscens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus,	Desm. Pall.		I viat regions of both hemispheres.	aquaticus,	19	i	On the plains of the Wallawalla, west of the Rocky Mountains.
GENUS	refuscens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis,	Desm. Pall. Brants	:::::	North Asia, and northern parts of N. America		"	: : : : :	
Genus Gookerius. Gamus Battyrergus, Capenins, Cape of Good Hope. Capenins,	refuscens, leucogaster, GENUS LEMMUS, Norvegious, torquatus, Obensis, lagurus, albigularis.	Desm. Pall. Brants Pall. Wagner		North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish.				On the banks of several streams which country the
GENUS BATTERROUS, maritimus, GENUS BATTERROUS, GENUS HYSTRICID Æ. SECT. I. HYSTRICID Æ. SULPHARA—FOR THE Choor Mountains. Nepal. Indian Porcupine . I. Ind	refuscens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus,	Desm. Pall. Brants Pall. Wagner F. Cuv.		North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America.	Nuttallii,		Descrition.	
maritimus, Gml. Coast Rat, South America. Ogotona, Gogotona, Go	refuscens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIRER, zibethicus, S. 7. BATHYERGINA. GENUS GEORYCHUS, Capensis,	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Illiger Pall.	Musquash, or Musk Rat,	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico.	Nuttallii,	Linn. Cuv.	Brazilian ".	Paraguay.
SECT. I. HYSTRICIDE.	refuscens, letucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. 7. BATHYERGINA. GENUS GEORYCHUS, Capensis, coccutiens, GENUS GENUS GEORYCHUS, Capensis, coccutiens, GENUS BATHYERGUS,	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Illiger Pall. Licht. Desm.	Musquash, or Musk Rat, Bless-Mole, or Sand Rat,	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico.	Nuttallii, Braziliensis, Genus Lagomys, pusillus,	Linn. Cuv. Pall.	Brazilian " . Pigmy Lagomys .	Paraguay. Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kangbatka.
GENUS HYSTRIX, Linn. Crested, or Common Porcupine or Unine Continental India, North Africa, and Cape of Continental India, Nepal. Savanica, S	refuscens, lettogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. T. BATHYERGINA. GENUS GEORNCHUS, Capensis, coccutiens, GENUS GENUS GEORNCHUS, GENUS GEORNCHUS, Maritimus,	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Illiger Pall. Licht. Desm. Gml.	Musquash, or Musk Rat, Bless-Mole, or Sand Rat,	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope.	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona,	Linn. Cuv. Pall.	Brazilian ", . Pigmy Lagomys . Alpine " Ogotona ",	Paraguay. Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian and the Mongolian desert as far as Chin.
hirsutirostris, Brandt Hodgsoni, Gray Nepal Porcupine Gray Nepal Porcupi	refuscens, letucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. 7. BATHYERGINA. GENUS GEORVCHUS, Capensis, coccutiens, GENUS BATHYERGUS, maritimus, III. FAMILY—HYSTR EECT. 1, HYSTRICINA.	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Illiger Pall. Licht. Desm. Gml.	Musquash, or Musk Rat, Bless-Mole, or Sand Rat,	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope.	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona, Roylii, rufescens,	Linn. Cuv. Pall. " Ogilby. Gray.	Brazilian ,,	Paraguay. Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian and the Mongolian desert as far as China. Himalaya—from the Choor Mountains.
Javanica, F. Cuy Java Porcupine . Nepal. Java Porcupine . Java Porcupine	refuscens, leucogaster, fences Lemmus, Norvegicus, torquatus, Obensis, lagurus, albigularis, gencus Fibers, zibethicus, 7. BATHYERGINA. Genus Geordensis, Capensis, Genus BATHYERGUS, maritimus, HII. FAMILY—HYSTR SECT. 1. HYSTRICINA. Genus Genus Hystricina.	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Illiger Pall. Licht. Desm. Gml.	Musquash, or Musk Rat, Bless-Mole, or Sand Rat, Coast Rat,	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope. "South America. Italy (in the Amennines). Sicily Spain North Africa and Great	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona, Roylii, rufescens, Nipalensis, Hodgsoni, princeps,	Linn. Cuv. Pall. " Ogilby. Gray. Hodgs. Blyth.	Brazilian ". Pigmy Lagomys . Alpine ". Ogotona ". Royal's ". Rufous ". Nepaul ".	Paraguay. Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Ohi. Siberia from the Irish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian and the Mongolian desert as far as China. Himalaya—from the Choor Mountains. Nepaul, northern hilly districts, and Tibet? Himalaya—common at Labore. Ladakh and Kooleo.
Neuvied, on the east coast of Brazil. 2 No doubt most of the above eighteen species will require to be located in the genus Hesperomys. Neuvied, on the east coast of Brazil. 4 Mr Darwin states that "near the coast of Brazil. 5 Mr Darwin states that "near the coast of the Atlantine, the northern limit of the Partagonian Cavy is formed by the Sierra Tapalquen in lat. 37 min.), where the plants rather suddenly become greener and more lumid. The limit certainly depends upon this change, sincar Mendoza (33 min.), where the plants rather suddenly become greener and more lumid. The limit certainly depends upon this change, sincar Mendoza (33 min.), where the plants of the same and some lumid. The limit certainly depends upon this change, sincar Mendoza (34 min.).	refuseens, leucogaster, GENCS LEMMUS, YOUNG LEMMUS, YOUNG LEMMUS, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. 7. BATHYERGINA. GENUS GRONYCHUS, Capensis, coccutions, GENUS GRATTYERGUS, maritimus, III. FAMILY—HYSTR SECT. 1. HYSTRICINA. GENUS HYSTRIC, cristata, hirsutirostris,	Desm. Pall. Brants Pall. Wagner F. Cuv. Linn. Licht. Desm. Gml. ACIDÆ.	Musquash, or Musk Rat, Bless-Mole, or Sand Rat, Coast Rat, { Crested, or Common Porcupine cupine Indian Porcupine	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope. " South America. [Italy (in the Apennines), Sicily, Spain, North Africa, and Cape of Good Hope. " " " " " " " " " " " " " " " " " "	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona, Roylii, rufescens, Nipalensis, Hodgomi, princeps,	Linn. Cuv. Pall. " Ogilby. Gray. Hodgs. Blyth. Rich.	Brazilian ,, Pigmy Lagomys Alpine ,, Ogotona ,, Royal's ,, Rufous ,, Nepaul , Hodgson's ,, Little Chief Hare	Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian dath the Mongolian desert as far as China. Himalaya—from the Choor Mountains. Cabul. Nepaul, northern hilly districts, and Tibet? Himalaya—ecommon at Lahore, Ladakh, and Kooleo. Rocky Mountains between the 42d and 60th parallels.
30 min.], where the plants rather studently become greener and more humid. The limit certainly depends upon this change, since near Manager (33 min.), where the country is very sterile, the animal again occurs Its limit southwards is between Port Desire and Port Julian."	refuseens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. 7. BATHYERGINA. GENUS GEORVCHUS, Capensis, coccutiens, GENUS BATHYERGUS, maritimus, III. FAMILY—HYSTR SECT. 1. HYSTRICINA. GENUS HYSTRIC, irisutirostris, Hodgsoni, Javanica,	Desm. Pall. Wagner F. Čuv. Linn. Illiger Pall. Licht. Desm. Gml. ICCIDÆ. Linn. " Brandt Gray	Musquash, or Musk Rat, Bless-Mole, or Sand Rat, Coast Rat, { Crested, or Common Porcupine Coupine Indian Porcupine Nepal Porcupine Java Porcupine Java Porcupine Java Porcupine	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope. " South America. [Italy (in the Apennines), Sicily, Spain, North Africa, and Cape of Good Hope. " " " " " " " " " " " " " " " " " "	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona, Roylii, rufescens, Nipalensis, Hodgomi, princeps,	Linn. Cuv. Pall. " Ogilby. Gray. Hodgs. Blyth. Rich.	Brazilian ,, Pigmy Lagomys Alpine ,, Ogotona ,, Royal's ,, Rufous ,, Nepaul , Hodgson's ,, Little Chief Hare	Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian dath the Mongolian desert as far as China. Himalaya—from the Choor Mountains. Cabul. Nepaul, northern hilly districts, and Tibet? Himalaya—ecommon at Lahore, Ladakh, and Kooleo. Rocky Mountains between the 42d and 60th parallels.
agsmap024103-678-a	refuseens, leucogaster, GENUS LEMMUS, Norvegicus, torquatus, Obensis, lagurus, albigularis, GENUS FIBER, zibethicus, S. 7. BATHYERGINA. GENUS GEORVCHUS, Capensis, coccutiens, GENUS BATHYERGUS, maritimus, III. FAMILY—HYSTR SECT. 1. HYSTRICINA. GENUS HYSTRIC, irisutirostris, Hodgsoni, Javanica,	Desm. Pall. Wagner F. Čuv. Linn. Illiger Pall. Licht. Desm. Gml. ICCIDÆ. Linn. " Brandt Gray	Musquash, or Musk Rat, Bless-Mole, or Sand Rat, Coast Rat, { Crested, or Common Porcupine Coupine Indian Porcupine Nepal Porcupine Java Porcupine Java Porcupine Java Porcupine	North Asia, and northern parts of N. America. On the Oural River, in the Steppes of Great Tartary, and extending beyond the Irtish. Sitka, Russian America. North America, from the Arctic Sea, nearly to the Gulf of Mexico. Cape of Good Hope. " South America. [Italy (in the Apennines), Sicily, Spain, North Africa, and Cape of Good Hope. " " " " " " " " " " " " " " " " " "	Nuttallii, Braziliensis, GENUS LAGOMYS, pusillus, alpinus, Ogotona, Roylii, rufescens, Nipalensis, Hodgomi, princeps,	Linn. Cuv. Pall. " Ogilby. Gray. Hodgs. Blyth. Rich.	Brazilian ,, Pigmy Lagomys Alpine ,, Ogotona ,, Royal's ,, Rufous ,, Nepaul , Hodgson's ,, Little Chief Hare	Southern districts of the Volga; the southern portion of the Oural chain, and in Southern Siberia, extending to the River Obi. Siberia from the Irtish eastwards into Kamtchatka. Sub-alpine districts beyond the Baikal, as well as of the Daurian dath the Mongolian desert as far as China. Himalaya—from the Choor Mountains. Cabul. Nepaul, northern hilly districts, and Tibet? Himalaya—ecommon at Lahore, Ladakh, and Kooleo. Rocky Mountains between the 42d and 60th parallels.

SECTION II.

RUMINANTIA (RUMINATING ANIMALS).

CLASSIFICATION AND EXTENSION OVER THE GLOBE.

CLASSIFICATION AND EXTENSION OVER THE GLOBE.

The order Ruminantia is distinguished from all the other orders of Mammalia, by the existence of four stomachs, arranged for the act of ruminating or chewing the cud. These animals are essentially herbivorous, and are all possessed of the cloven hoof; and it is only among them that species are met with whose foreheads are armed with horns. This order, which is one of the most natural and best defined of all the primary groups into which the Mammalia have been divided, is princally represented by the ox, the sheep, the goat, and the deer; but it is usual also to classify with them the giraffe, camels, antelopes, llamas, &c. They are subdivided into 9 genera, comprising in all 180 species, forming about one-eighth of all Mammalia. Following the general law of distribution, the Ruminantia are most numerous in equatorial regions, but, as if created expressly for the use of the human family, they are distributed over all latitudes, in the northern hemisphere at least, from the equator to the regions within the arctic circle; so that, wherever man is found, he is accompanied by those animals most necessary for the supply of his wants and comforts, and most conducive to his progress in arts and civilization. From them he derives a considerable portion of his food and clothing, whether in a savage or a civilization. From them he derives a considerable portion of his food and clothing, whether in a savage or a civilization. The intenspet of commodities. Thus the rein-deer, as is well known, forms the chief comfort, and the principal means of subsistence to the Laplander; and the yak or kash-gow, confers similar benefits on the inhabitants of Tibet and Pamir. Other cattle require the provident care of man to subsist them through the winter, but the kash-gow is left entirely to itself. If the snow on the ele-

vated flats lies too deep for him to crop the herbage, he rolls himself down the slopes, and eats his way up again. The strong, wiry, and pliant hair of its tail is made into ropes, which for strength do not yield to those manufactured from hemp; and the hair of its body is woven into mats. The milk of the yak is richer than that of the common cow.\(^1\) In tropical countries, again, the camel affords to the inhabitants the means of traversing the wide and trackless desert. From this general distribution of the valuable order of animals under consideration we must except the continent of Australia; among the peculiar fauna of that country, as well as in Madagascar, New Guinea, and the greater number of the South Sea islands, no species of this order has yet been discovered.\(^2\)

DIVISION AND INTENSITY OF THE SPECIES.

Asia and Africa contain by far the greatest number of species of the Ruminantia, the former possessing 96 and the latter 50 of all species, and they form the chief habitat of the numerous genera of Cervus and Antilope, which together comprise more than the half of all Ruminantia. Hence it is not surprising that the Old World, as a whole, should possess such a vast preponderance in species over the New World,—this difference, as shown in the last two columns of the following table, being nearly seven to one; for while the Old World has 162, the New World has only 24 species. From this table also it will be seen, that the genera Camelus, Camelopardalis, and Mcschus are almost entirely peculiar to the Old World, that Auchenia is entirely confined to the countries of South America, and that the genus Cervus is the most widely distributed of all:—

TABLE SHOWING THE DIVISION OF RUMINANTIA OVER THE GLOBE.

					EUROPE. ASIA. AFRICA. AMERICA. ZOOL. PROV. OF THE MAP.															-																						
				EUF	ROPE.			1						1	ASIA.							1		AFR	ICA.		1		A	MER	CA.		1		Zoo	L. PE	ov. o	F THE	MAP			
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GENERA,	via.				, and	n, &	near		ouria,	Cau				p			n.				Molucca, and Phi-					nea.	erio			ed E	2	pui	8	Islan		1	ts.					
WITH THE	dina		d.		land	(Spai	terra	sce.	chou	n. ia,				and			Ceylo	69			ands,					Guin	I I			form	ano	, a	nog	ana			(without the East Indies.)	onth				
WITH THE	Scan	,	olan		tzer tria,	18. (fedit nds.	Gree	ia, Mantche	Syris				Assam, nalaya.			pur (nsu			ucca					and	and	rica	90	Cali	lies.	nazı nay.	ca,	fari	ica,		es.)	Z es Z				.D.
Number of their Species.	nd 9	tain	d P		Swi Aus	enir	d M Isla	pu	N.	nd J							an a	Peni			Mol				od	pidi	lony	Ame	State	pue	Inc	rag	meri	1	mer		Indi	mer	1	lies.	ORE	WORL
Transce of their openes.	and a	t Bri	a an	e,	any	an F	an	ey a	3,	Min	of	ary.	43	Hin	ed	ia.	loost	E	atra		bes,	ary.	pt.	ei	ssini	gan	00	ish	United	ico	trai	yang	Ai	ANL	th A	Europe.	(W)	Central	ca.		M	WW
	cela	rea	Russi	ram	erm	beri	taly	Purk	Siberia, Mongol	Asia	Pers	Part	Tibe	Nepai	Chin	Arabi	Hind	Sast	Sum	Java	Borne Celebi	Bark	Egy	Nub	Aby	Sen	Cap	Brit	Uni	Mexi	Sen Cen	Gua	Ren	OCE	North	Eur	Asia	Cen	Afri	Eas	OLD	NEW
	-	0		-	0	-	_	-	02		-	1.	1					-		.		1										-							-	- 11	-	
		Number of the Species.																																								
				1	•	T	1	1			1	1		I		1	I	T		T	T	1	I								-		1	1		0	0		2	2	8	
1. Camelus (Camels) . 2			1			.		1	1	1	2	1	1	1	1	2	2					1	2	1	1					-	:		2			2	2		2	2		3
2. Auchenia (Llamas) . 3														:	:				:		: .	1.									1		2				i	0	2	5	7	
3. Moschus (Musk Deers) 7						.			1 .			1	1	1	3		2 10	:	2	3	1 . 3 4	1:			:	2			5	2	2	6	3	;	6	5	10	8	1 2	21	- 1	14
4. Cervus (Deers) 51		3	4	3	4	3	3	3	5	2	3	5	1	5	3			1	2	2	3 4	1	1	:	1		;	0	9	2	-	0	"	-					2		2	
5. Camelopardalis(Giraffes) 2			:	1:		:		:	i		1	1				;	3		;			3	1	2	4	9	20	i	i	i					i	2	5	. 1	34	6	47	1
6. Antilope (Antelopes) 48			1	1	2	1	:	1	1 3	4	0	0	2	4	;	2	1		1			ľ	1	1	1	1				1		1			1	2	8	1	4	4	18	2
7. Capra (Goats) 20					1	1 0	2	2	2	6	8	6	1	*	-	1	1					li	2	1	1	1		1	2						2	4	13		3	5	25	2
8. Ovis (Sheel) 27			;		1	1	1	1	-	1	1	0	1	4	3	-	6	3	1	2	2 3	1	1	1	1		1	2	2	1					2	2	6		2	8	18	2
9. Bos (Oxen) 20	1.		1		1	1	1	1							0							-		1	-	٧.		-										-	-	-	-	
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DISTRIBUTION OF GENERA AND SPECIES.

DISTRIBUTION OF GENERA AND SPECIES.

1. Camelus (Camels). The Ambian camel (Djernal of the Araby), from which the dromedary is a native of Asia, where, from the degrand finer qualities—both being passessed of only one hump—is a native of Asia, where, from the degrand finer qualities—both being passessed of only non hump—is a native of Asia, where, from the degrand of the East. Its present geographical distribution extends over Arabia, Syria, Asia Minor, to the foot of the Caucasian chain, the south of Tartary, and part of Julia. In Affica, it is found in the countries extending from the Mediternanean to the Senegal, and from Egypt and Abyssinia to Algiers and Marocco. It is also very abundant in the Canary Islands. Arabia produces the greatest number of these valuable animals, the province of Nejed being, on this account, entitled Om el Bel—the mother of camels; and the camel of Oman is celebrate for its fleetness and beauty. After the conquest of Granada, the Arabian camel was introduced into Spain by the Moors, and at that time it was abundant in the southern provinces, but as a species it is a subject to the complex of the control of the Canada, the Arabian camel was introduced into Spain by the Moors, and at that time it was abundant in the southern provinces, but as a species it is a subject to the control of the control of the control of the Canada and Africa.

The Bactrain camel (Canadus Bactrianus), is distinguished from the former by having two humps on its back, by its hair being more rough and shaggy, and by being stronger and more muscular; it is the camel of Central Asia, being most abundant in the countries to the north of the Taururs and the Himalayan Mountains. It is also found in the Crimea and the other countries to the control of the Taurura and the Himalayan Mountains; but although it is said by Pallas to occur in a wild state in the Desert of Shamo, and on the borders of China, it is comparatively rare except in the central districts already mentioned, and in south-western Asia it is almost

habitat is in Finmark and Lapland. It is also abundant throughout the greater part of Siberia and Kantchatka.

Cervus dama (the Fallow-deer). This gentle creature, the principal ornament of our parks, is an inhabitant of several European countries, as far as latitude 53° north. It does not occur in Russia proper, but is found in Lithuania, Moldavia, and Greece; it is less common in France and Germany than in England, and is abundant in the wooded districts of the centre and north of Scotland. It extends to the north of Persia and China, and is found in the northern part of Africa, as far south as Abyssina.

Cervus elaphus (the common Stag or Red-deer) is a native of the temperate countries of Europe (excepting Russia proper), from about latitude 63° north in Scandinavia, southward to the Caucasian Mountains. It also occurs in Siberia, from the regions of the Altai Mountains to the Lena River. In Britain, the range of the stag is now limited to the large parks and chases of England, and to the heath-clad mountains of Scotland, where the largest herds, perhaps, occur on the banks of Lochiel in Argyleshire.

Cervus capreolus (the common Roe or Roebuck) is one of the smallest and most elegant of European deers. It belongs exclusively to the Old World, and is widely distributed over the temperate regions of Continental Europe, as far as latitude 55° north; and in Asia, eastward to the River Lena, in Siberia, and southward to Armenia and Persia. In England, it is still abundant in the wooded districts of Westmoreland and Cumberland; in Scotland, it is very rare to the south of the Forth, but very abundant everywhere to the north of that river. It is unknown in Ireland.

Of the American fallows, the most celebrated is Cervus Virginianus (the Virginian Deer), which

occurs in all the countries of the New World, from Canada on the north, to Cayenne on the south, but is most abundant in Virginia and Louisiana. The number of species of this and the other families belonging to each separate country will be readily found by reference to the preceding table.

5. Camelopardalis (Giraffe). This singular and celebrated animal forms an isolated genus among the ruminants. It is exclusively confined to the continent of Africa, in which there is now ascertained to be at least two species, one of which (Camelopardalis antiquorum) inhabits Nubia, Abyssinia, and the adjacent countries to Lake Tehad; and the other (Camelopardalis Australis, Sw.), the souther regions of Africa to the Orange and Lion Rivers, in latitude 29° south.

6. Antilope (Antelopes). Of this very extensive genus, Africa, as has been already stated, may be considered as the head-quarters, since, as shown on the map, this continent alone contains thirty-four species; while Asia has eleven, Europe two, and America only one. The most celebrated of the whole genus is the European species. Antilope rupicapra (the Chamois), which is a denizen of the alpine districts of Europe and Western Asia, namely, the Alps, Pyrenees, the Tatra, and Grecian Mountains, and among the ranges of the Caucasus and Taurus.

7. Capra (Goats). These well-known and valuable ruminants, like the preceding, are inhabitants of the alpine regions of Europe; as well as the Taurus Mountains, and Kamtchatka in Asia, and some parts of Africa.

of the alpine regions of Europe; as well as the Taurus Mountains, and Kamtchatka in Asia, and some parts of Africa.

**Capra ibex* (the Bouquetin or Steinbok)*. In the Pyrenees, the Alps, and the mountains of the Tyrol, the ibex frequents the loftiest ranges, in the vicinity of the snow line, and appears to ascend even to a greater height than the chamois. The greatest number of species of the goat family occurs in Asia, one of the most celebrated being the goat of Cashmir, which is also spread over Tibet and the countries of the Kirghiz, to the north of the Caspian Sea.

**Sois* (Sheep)*. These, the most ancient of our domestic animals, may be traced originally to the countries of Western Asia. They herd in flocks, in a wild state, on the inaccessible mountainous districts of Asia, Europe, Africa, and America. Like the goats, they are most numerous in Asia. America furnishes only two species, Ovis Californiana and Ovis montana (Rocky Mountain Argali)—the latter of which inhabits the chain of the Rocky Mountains, from about latitude 40° to latitude 60° north. They also frequent the elevated ridges intersecting the country between this mountain range and the Pacific, but they have not been observed further to the eastward than the declivity of these mountains, nor are they found in any of the hilly tracts near Hudson Bay.

9. The Bovine tribe (Oxen). These comprise the largest of ruminating animals, and consist of groups having a greater or less resemblance to the domestic races of oxen. They are widely distributed, either in a wild or domesticated state, over most countries of the globe. Bos bubduts (the buffalo), which has been long known as a domesticated animal in India, has spread thene westwards into Egypt, Greece, Italy, and Spain; and eastwards to China, Cochin-China, and the islands of Sumatra, Java, Borneo, and the Philippines. Bos Caffer (the Cape buffalo), is a ferocious animal, which congregates in large herds, and is much dreaded by travellers. It is peculiar to the countries of Southern Aricia. Th

PERPENDICULAR DISTRIBUTION.

In perpendicular distribution, the order Ruminantia affords the most striking examples of the limitation of certain genera and species to particular mountainous regions, in which alone are combined those thermal and climatological conditions which appear to be necessary for their very existence. Of these we shall note some of the most remarkable examples in the different regions of the globe, expla-

those thermal and climatological conditions which appear to be necessary for their very existence. Of these we shall note some of the most remarkable examples in the different regions of the globe, explanatory of the diagram on the map.

Europe.—In the Alps, where the line of perpetual snow reaches a height of 8,700 feet, the Anti-lope rupicapra and Capra ibea (chamois and steinbok) attain the greatest height of any of the order; their peculiar habitat being between the upper limit of trees and the snow line, which, on the northern declivities, is about 700 feet lower than on the southern. Oxen graze on the Alps at a height of nearly 8,000 feet, and sheep pasture at a still greater elevation. Capra elaphus (the common stag) does not ascend higher into the wooded regions than about 7,000 feet, and Capra dama (the fallow deer) about 6,000 feet.

ASTA.—Here, as in the European Alps, goats and sheep attain the highest elevation. Thus the goat of Cashmir (Capra hircus laniger), and the argali*(Oris ammon), brouse on the comparatively naked table-lands of Tibet, at a height of from 10,000 to 13,000 feet above the level of the sea. The Oris polii (the Pamir sheep or rass) lives at the still greater height of 15,600 feet, in the table-land of Pamir, eastward of Bokhara; and the burnhel (Oris burrhel) inhabits the highest ridges of the Himalayan chain, where it is described as "bounding lightly over the incrusted snows, at an altitude where its human pursuers find it difficult to breathe." A specimen in the Museum of the Zoological Society, London, is said to have been shot near the Boorendo Pass, at an elevation of about 17,000 feet—considerably above the line of perpetual snow; and consequently it attains, with the exception of the llama, perhaps the greatest absolute height of any of the Ruminantia. Bos grunicus (the yak or kash-gow) grazes among the snow on the summit of the rugged passes of Tibet. Wherever the mercury does not rise above zero, is a climate for the yak. Indeed, so rigorously is this animal confined

⁴ Wood's Journey to the Oxus, p. 232.

¹ Wood's Journey to the Oxus, p. 321.
² It may be necessary again to remind the reader, that in this and the other sheets of the Zoological Division, domesticate ands are not generally taken into account in treating of the distribution of species.
² Journal, p. 19