

## 甘肃晚第三纪哺乳动物化石组合\*

谢骏义

(甘肃省文物考古研究所,兰州 730000)

甘肃晚新生代陆相地层相当发育,其中新第三纪晚期的哺乳动物化石尤为丰富.1991年笔者依据当时已有的材料和研究状况,撰写了《甘肃晚第三纪地层及哺乳动物化石》(见《地层学杂志》第15卷第1期35~41页),将甘肃全省晚第三纪沉积按河西、陇中、陇东三个区域作了地层概述,并根据哺乳动物化石分期所指示的时代,初步建立甘肃晚第三纪的地层序列及各盆地间地层的对比关系.文中着重列举了甘肃晚第三纪哺乳动物化石主要地点及初步名单,在原稿中附有“甘肃第三纪哺乳动物化石组合表”.由于当时排版技术方面的原因,在发表时未能收入,致使当时已知的一些基础资料没有及时与读者见面.

时隔数年,电子排印技术蓬勃发展,大型表格的排印工作不再成为不易克服的难点,应一些学者的要求,现将“甘肃第三纪哺乳动物化石组合表”发表于后,供同行们批评指正.(表见另页)

应该说明的是:(1)近年来甘肃新第三纪的哺乳动物化石又有一些新的重要发现.如中国科学院古脊椎动物与古人类研究所和甘肃省文物考古研究所、甘肃省博物馆等单位合作在兰州盆地皋兰对亭沟等地的发现.兰州大学地理系、地质系等在临夏盆地的发现等,都未能补充进去;(2)该表使用的分期及其各称均按原稿排出,未作改动.随着一些新成果的发表和我国新第三纪哺乳动物分期的研究深入将作出必要的调整.

总之,甘肃是我国晚第三纪哺乳动物化石埋藏比较丰富的地区.就目前已知的线索,在甘肃中部有相当发育的上第三系中、下部地层;在甘肃东部有比较发育的上第三系上部地层;在甘肃西部早已发现了老第三纪晚期到新第三纪早期的重要线索.由此可见,在目前对我国上第三系早期地层了解甚少,甘肃是最有希望的地段.

本文的发表,得到李吉均院士的鼓励与支持,谨表谢意.

\* 收稿日期:1996-01-15.

表 1 甘肃晚第三纪哺乳动物化石组合

分期	陇中区			陇东区
	河西区	临夏盆地	河西—静宁盆地	
游河期—高庄期	<p>Minodi(庙底, 宁县) Pentaptilodon pingtianshengensis Gongjichuan(巩家川, 宁县) Euctenoceros boudet Muqi(穆旗, 合水) Prosiaphneus inermidius Mimomyx banchiaocicus</p>	<p>Siegodon huanghorasis Archidiskodon plani frons Archidiskodon sp. Proboscidi pparion sinensis Camelus cf. knoblochi Gazella sp. Lejnah(雷家河, 灵台) Crocidura sp. Hypolagus brachypus</p>	<p>Machairodus sp. Anancus sp. Pentaptilodon sp. Siegodon pre-orientalis Hipparion hippidodus Proboscidi pparion sp. ? Equus sp. Chilotherium hubereri Coelodonta sp.</p>	<p>Sinotherium sp. Sus sp. Paracamelus cf. gigas Cervidae gen. indet. Oioceros sp. ? Quilgioria sp. ? Iosunnoria sp. Gazella cf. sinensis</p>
保德期	<p>Hungai(红崖, 阿克塞) Hipparion platyodus. Hipparion sp. Chilotherium sp. Palaeoragrus sp. Gazella sp. Cervidae ? Canivora</p>	<p>Jiegou(结沟, 东乡) Hipparion sp. Chilotherium sp. Houanotherium sp. Cervus sp.</p>	<p>Shuiwangou(水泉沟, 静宁) Hipparion hippidodus Hipparion platyodus Hipparion sp. Probatomochcerus hyacherooides Chilotherium sp. Gazella cf. gaudryi cervidae gen. indet. Chengyang(成阳, 张家川) Hipparion sp. Chilotherium sp. Gazella sp. Hipparion sp. Wudu(武都附近) Hipparion platyodus chilotherium sp. Eostyloceros blainvilliei Metacervulus sp. Gazella sp. Houanotherium sp. Lungjagou(龙家沟, 武都) Hipparion parvum Hipparion platyodus Machaiodus paupanderi Diceratherium cf. papasosueensis Chelusiochoerus stehlini Eostyloceros blainvilliei Chilotherium sp. Houanotherium sp. Palaeoragrus sp. Muntiacus lucustris Hyaena sp. Eomellivora sp. Martes sp. Dicrocerus sp. Dicrotherium sp.</p>	<p>Shimiaozi(石庙子, 华亭) Hipparion sp. Chilotherium sp. Palaeoragrus sp. Chelusiochoerus sp. Zhao Jiacha, Xinjagou(赵家岔, 辛家沟, 华池) Adcrocuta eximia variabilis Ictitherium robustum gaudryi Ictitherium wongii Ictitherium hipparionum hyaenoides Paldnyhyuena repta Lycyruena spathulata Jiaozichuan(豹子川, 庆阳) Adcrocuta eximia variabilis Ictitherium wongii hyaenoides Ictitherium hipparionum hyaenoides Metasturus minor Hipparion hippidodus Hipparion fossatum Hipparion sp. Chelusiochoerus stehlini Palaeoragrus sp. Palaeoragrus microdon Samotherium cf. neumayri Samotherium sinense Urniotherium intermedium Gazella dorcadoides Gazella paeteensis Gazella gaudryi Gazella cf. blacki Protoryx planifrons Protoryx sp. Lophocricetus abbreviatus cricetus sp. Prosiaphneus licenti</p>
	保德早期—坝河晚期	<p>Mapo(马坡, 榆中) Hipparion sp. Sunshan(松山, 天祝) Leptodontomys gansus Spermophilinus minutus Kowalskia gansus Prosiaphneus licenti tianshuensis Prosiaphneus sinensis Parolactaga, minor Heterosminthius gansus simplicidens</p>	<p>Proactaga cf. tunggarensis Spalacinae gen. indet. Castoridae gen. indet. Ochotonoides primitivus Ochotona lagretti minor Ictitherium hipparionum hyaenoides Adcrocuta eximia variabilis</p>	<p>Percrocuta gigantea Metasturus major Machairodus sp. Indarotus aticus lagretti Hipparion sp. 1 Hipparion sp. 2 Chalicotherium sp. Chilotherium (Acerorhinum) transiense anlerosoni ch. (ch.) haberi Palaeoragrus microdon Palaeoragrus coeophrys Samotherium sp. Dorcadoryz iriqueiricornis Gazella sp. Pachyragella cf. grangeri Sinoragrus sp. Austrope sp. Muntiacus cf. lacustris</p>

表 2 甘肃晚第三纪哺乳动物化石组合

分期	河西区		陇中区		陇东区
	临夏盆地		兰州盆地		
坝河期				<p>Chengcun(程村, 秦安)  <i>Gomphotherium</i> sp.  <i>Suohippus zitteli</i>  <i>Hipparion chiai</i>  <i>Chilotherium</i> sp.  <i>Gazella</i> sp.  <i>Antelope</i> sp.</p>	
晚					
		<p>Maijixiang(买家巷, 广河)  <i>Platybelodon tonzinensis</i>  <i>Anchitherium</i> sp.                      Rhinocerotidae gen. indet.  <i>Kubanochoerus</i> sp.  <i>Palaenomyz</i> sp.                      Shanggou(上沟, 东乡)                      Ochotonidae  <i>Platybelodon tonzinensis</i>  <i>Cementodon</i> sp.                      Rhinocerotidae gen. indet.  <i>Palaenomyz</i> sp.  <i>Oioceros</i> sp.                      Galljia(尔李家, 东乡)                      Castoridae                      ochotonidae  <i>Hemocyon</i> sp.  <i>Gobiocyon</i> sp.  <i>Platybelodon tonzinensis</i>  <i>Serridentinus</i> sp.  <i>Cementodon</i> sp.  <i>Anchitherium</i> sp.  <i>Chalicotherium</i> sp.  <i>Palaenomyz</i> sp.  <i>Oioceros</i> sp.</p>	<p>Xianshuihe(咸水河, 永登)  <i>Proalactaga grabauti</i>                      ?<i>Paralactaga anderssoni</i>  <i>Heteromihus orientalis</i>  <i>Plesidippus leei</i>  <i>Paracricetulus schaubi</i>  <i>homphotherium wimani</i>  <i>Rhinoceros</i> sp.  <i>Kubanochoerus gigas</i>  <i>Siephanocermus</i> sp.  <i>Oioceros</i> sp.                      Anjiasan(安家湾, 秦安)  <i>Platybelodon graingeri</i>  <i>Gomphotherium</i> sp.  <i>Aceratherium</i> sp.                      Qimant(秦安附近)  <i>Platybelodon graingeri</i>  <i>Gomphotherium qimantensis</i>  <i>Gomphotherium cf. connerus</i>  <i>Serridentinus</i> sp.  <i>Aceratherium</i> sp.</p>		
通古尔期					
早					
山旺期					
谢家期	<p>Heishui(西水, 肃北)  <i>Sayornis obliquidens</i>  <i>Gomphotherium</i> aff. <i>connerus</i>                      Cervulinae gen. indet.                      *<i>Kansupithecus</i>*</p>	<p>Jiaozigou(獾子沟, 东乡)  <i>Gomphotherium</i> sp.  <i>Dzunga lotherium orgoense</i>                      Rhinocerotidae gen. indet.  <i>Paranelodon macrognathus</i></p>	<p>Zhangjiaping(张家坪, 皋兰)  <i>Dzungariotherium</i> sp.  <i>Aprotodon</i> sp.                      Oxyaenidae                      Proboscidea gen. indet.                      Nanpoping(南坡坪, 兰州)                      Ochotonidae  <i>Tataornis</i> sp.                      Schizotheriinae  <i>Dzungariotherium</i> sp.                      Artiodactyla gen. indet.</p>		

