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Obo Formation (俄博组)

①Obo Series ②Sun C C, 1936, On the Stratigraphy of Upper Huangho & Nan Shan region, *Bull. Geol. Soc. China*, 15(1): 75-86 ③Ebo (Obo) north hill, 100 km northwest of Menyuan County, Qinghai Province ④For coal-bearing strata ⑤Permian.

Ocheng Volcanics (鄂城火山岩)

①Ocheng Volcanic Series ②Lee J S, 1939, *The Geology of China*, London: Thomas Murby & Co., 456 ③Echeng County (today Ezhou), Hubei Province ④For volcanic rock ⑤Cretaceous.

Ochungchelo Formation (欧冲皆鲁组)

②Berkey C P, Granger W, Morris F K, 1928, *Bull. Geol. Soc. Amer.*, 39(1): 214; 1929, *Amer. Mus. Novit.*, (385): 4 ③Ouchongjielu (Ochungchelo) in Inner Mongolia Autonomous Region ④For gray, red mudstone and sands, with conglomerate in the base ⑤Early Cretaceous.

Ogh-bulag Formation (俄霍布拉克组)

①Ogh-bulag Series ②Huang T K, Young C C, Cheng Y C, Chow T C, Bien M N, Weng W P, 1947, Report on Geological Investigation of Soma Oil-fields in Sinkiang, *Mem. Geol. Surv. China*, ser.A, (21) ③Ehuobulake (Ogh-bulag), 70 km north of Kuqa County, Xinjiang Uygur Autonomous Region ④For green and red clastic rocks ⑤Early Triassic.

Olan Beds (乌兰层)

②Andersson J G, 1923, *Mem. Geol. Surv. China*, ser.A, (3) ③Olan, 5 km southeast of Bogdain Gol, 40 km northwest of Hallong Ussu, Inner Mongolia Autonomous Region ⑤Pleistocene.

Oluanpi Beds (鹅銻鼻层)

①Oluanpi Sand and Gravel Beds, geographic name Oluanpi was Romanized as *Garanbi* by the Japanese (LSI) ②Rokaku H, Makiyama S, 1934, Report on the Hengchun Oil Field, Kaohsiung ③Oluanpi in Pingtung County, Taiwan Province ④Composed mainly of yellowish brown sand, clay, and gravel ⑤Pleistocene.

Omeishan Basalt (峨嵋山玄武岩)

②Chao Y T, 1929, Geological Notes in Szechuan, *Bull. Geol. Soc. China*, 8(2): 137-150 ③Emeishan (Omeishan) in Sichuan Province ④For basalt ⑤Permian ⑥Homonym: Omeishan Granite.

Omeishan Granite (峨嵋山花岗岩)

②Yang Denghua, 1948, *Geological Review*, 13(5/6): 5-6 ③Emeishan (Omeishan) in Sichuan Province ④For granite ⑤Presinian ⑥Homonymous with Omeishan Basalt.

Omutnaja Formation (欧木那加组)

②Kobayashi T, Nonaka J, 1942, *Jour. Geogr. Soc. Tokyo*, 54(645) ③Oumunajia (Omutnaja) in eastern Liaoning Province ④For a component formation within the Manmo Group ⑤Ordovician-Silurian.

Ondai Sair Formation (昂代赛尔组)

②Berkey C P, Granger W, 1923, *Amer. Mus. Novit.*, (77): 7 ③Ondai Sair, east side of Mount Uskuk (now in the People's Republic of Mongolia) ④For gray sandstone and dark paper shale ⑤Early Cretaceous.

On Gong Formation (昂贡组)

②Osborn H F, 1930, *Livre Jubilaire, Centenaire Soc. Geol. France*. First appeared in a manuscript by Sino-Asia Expedition ③Anggong (On Gong), Inner Mongolia Autonomous Region ④For sandstone and clay ⑤Early Cretaceous.

Opien Group (峨边群)

①Opien Series ②Zeng F J, Ho C S, 1949, *Bull. Geol. Soc. China*, vol.27 ③Ebian (Opien) County, Sichuan Province ④Composed mainly of phyllite, quartz schist, schist and slate, with interbeds of gneiss, basalt, andesite ⑤Pre-Sinian.

Orok Nor Formation (额洛克诺尔组)

②Berkey C P, Granger W, Morris F K, 1929, *Amer. Mus. Novit.*, (385) ③Eluokenuoer (Orok Nor) in Inner Mongolia Autonomous Region ⑤Pleistocene.

Oshih Formation (俄西组)

①Ashile Formation ②Berkey C P, 1923, *Amer. Mus. Novit.*, (72): 8 ③Nyuxoi (Oshih or Ashile) Basin, 75 km north of Artsa Bogdo, Altay Mountain (now in the People's Republic of Mongolia) ④For boulder, sands, shale and thin-bedded limestone ⑤Early Cretaceous ⑥Synonym: Ashile Formation.

Otangti Formation (藕塘底组)

②Lu Yanhao, 1955, *Geological Knowledge*, (2): 1-6 ③Outangdi (Otangti), 2 km west of Jiangshan County, Zhejiang Province ④For quartzose conglomerate and quartzose sandstone with interbeds of purple shale ⑤Late Carboniferous.

Oujiachong Formation (欧家冲组)

②Huang Daxin, 1978, The view of classification of the Xuefengshan Sandstone and the supplement to the concept of the Shandong Member, in Institute of Geology, Chinese Academy of Geological Sciences ed., 1978, Contribution to Devonian Conference of South China, Beijing: Geological Publishing House, 80-97 ③Oujiachong in Lengshuijiang City, Hunan Province ④For blackish sandy shale, siltstone, with interbeds of quartzite, limestone lenticle and sandy shale ⑤Late Devonian.

Oujiadong Formation (欧家洞组)

②Zhang Liang, He Qiuying, 1993, *Guangdong Geology*, 8(1) ③Oujiadong in Bacun of Zhoutian Town, Qujiang County, Guangdong Province ④For grayish green,

yellowish green feldspathic quartzose sandstone and sericite-slate with interbeds of black carbonaceous slate and shale ⑤Cambrian.

Oujiang Formation (瓯江组)

②Shanghai Integrated Research Team of Marine Geology, Ministry of Geology and Mineral Resources & Institute of Geology, Chinese Academy of Geological Sciences, 1989, *The Cenozoic Palaeontologic Fauna of the Continental Shelf of East China Sea*, Beijing: Geological Publishing House. First appeared in a 1985 manuscript by Shanghai Integrated Research Team of Marine Geology, Ministry of Geology and Mineral Resources ③Oujiang Depression in the Continental Shelf of East China Sea ④For the medium- to coarsed-grained gravel-bearing fine sands, sandy dolomite, mudstone, siltstone with interbeds of limestone and mudstone ⑤Eocene ⑥Oujiang Formation is the form of lithostratigraphic unit with non-lithostratigraphic meaning.

Oukenhe Formation (欧肯河组)

②No.1 Heilongjiang Regional Geological Survey Team, 1974, Explanatory Text for 1:200 000 Scale Geological Map: Songling Sheet ③Oukenhe river in Heilongjiang Province ⑤Late Jurassic.

Oula Formation (欧拉组)

②Liang Dingyi, Nie Zetong, *et al.*, 1982, *Geological Review*, 28(3): 245-245 ③Oula in Duoma district, Ritu County, Tibet Autonomous Region ④For grayish white dolomitic limestone and marls with interbeds of quartzose sandstone and trachy-basalt ⑤Early-Mid Triassic.

Ouli Formation (欧利组)

②Xiao Jindong, 1988, in *Contribution to the Geology of the Qinghai-Tibet Plateau*, (19), Beijing: Geological Publishing House, 120-131 ③Ouli in Duoma District, Ritu County, Tibet Autonomous Region ④For purplish red clastic rocks ⑤Late Cretaceous.

Oulongbuluke Group (欧龙布鲁克群)

②Lu Yanhao, 1962, *The Cambrian of China*, Beijing: Science Press, 40. First appeared in a 1958 manuscript by Qinghai Petroleum Geology Team ③Oulongbuluke, west of Delingka, Qinghai Province ④For alternating beds of gray limestone, dolomite, light brownish gray and light red thin-bedded and thick-bedded limestone, black limestone ⑤Mid-Late Cambrian.

Ouyangmaiqiete Group (欧阳麦切特群)

①Ouyangmaiqiete Series ②Xinjiang Bureau of Geology and Mineral Resources, 1993, *Regional Geology of Xinjiang Uygur Autonomous Region* [Geological Memoirs of the Ministry of Geology and Mineral Resources of the People's Republic of China, (1)Regional Geology, no.32], Beijing: Geological Publishing House, 15. First appeared in a 1957 manuscript by Lu Zheng & Chen Zhefu ③Ouyangmaiqiete

close to the west of Agazidaban on Xinjiang-Tibet Highway, Xinjiang Uygur Autonomous Region ④For crystalline schist with interbeds of gneiss and a few metamorphic shales, marbles, and metamorphic quartzose sandstones ⑤Palaeoproterozoic ⑥A group without any formations deviates the procedures of stratigraphical classification.

Ouzhuang Formation (欧庄组)

②Compiling Group for Hebei Regional Stratigraphic Scale, 1979, Regional Stratigraphic Scale of North China: Hebei Province, Beijing: Geological Publishing House. First appeared in a 1976 manuscript by Institute of Hydrogeology, Hebei Bureau of Geology ③Ouzhuang village in Hengshui County, Hebei Province ④For alternating beds of parti-coloured clay, sands and gravel-bearing sandstone ⑤Pleistocene.