



Fig. 2. Correlation scheme for Palaeogene deposits in Svalbard. A. Stratigraphic schemes for Palaeogene deposits of the Central Basin after NATHORST (1910), ORVIN (1940), MAJOR (printed 1964, published 1972), and VONDERBANK (1970). B. Division adopted in this paper: B<sub>1</sub> — age, B<sub>2</sub> — macrorhythms. Areas of distribution of Palaeogene deposits: I. Central Basin. II. Oyrlandet. III. Kongsfjorden area (Ny-Alesund). IV. Renardodden area. V. Forlandsundet area. V-1. Prins Karls Forland (V-1-1. Selvågen area, V-1-2. North-eastern coast of this island). V-2. East coast of Forlandsundet (V-2-1. area between Snippen and Tjørnnes, V-2-2. area near Sarsbukta to the north of Aavatsmarkbreen). a. Indices of formations and thicknesses of members. b. Column. c. Thickness in metres. d. Rhythms of first rank. 1. Clumpy conglomerates and conglomerate breccias. 2. Conglomerates and gritstones. 3. Medium-coarse-grained sandstones. 4. Fine-grained sandstones. 5. Quartzitic sandstones (the sandstones of the Central Basin older than the Collinderodden Formations are feldspathic/quartzose sandstones, the rest are polymict sandstones). 6. Siltstones. 7. Calcareous siltstones. 8. Argillites. 9. Calcareous argillites. 10. Ferruginated argillites, weathered to clay («tuffs» — GRIPP 1927). 11. Limestones. 12. Coals. 13. Precambrian to late Palaeozoic rocks (Hecla Hoek complex). 14. Concretions: a) siderite, b) anthraconite, c) pyrite. 15. Fossil remains: a) fauna, b) flora, c) microfauna, d) spores and pollen. Central Basin: Pg<sub>1</sub>br — Barentsburg Formation. Pg<sub>1</sub>cl — Colesbukta Formation. Pg<sub>2</sub>gr — Grumantbyen Formation. Pg<sub>2</sub>hl — Hollendardalen Formation. Pg<sub>2</sub>fr — Frysjaodden Formation. Pg<sub>2</sub>cln — Collinderodden Formation. Pg<sub>3</sub>st — Storvola Formation. Kongsfjorden: Pg<sub>3</sub>kn — Kongsfjorden Formation. Pg<sub>3</sub>nl — Ny-Alesund Formation. Renardodden: Pg<sub>3</sub>sk — Skilvika Formation. Pg<sub>3</sub>rn — Renardodden Formation. Forlandsundet: Pg<sub>2</sub>sl — Selvågen Formation. Pg<sub>2</sub>ss — Sesshøgda Formation. Pg<sub>2</sub>rn — Reinhardpynten Formation. Pg<sub>2</sub>kr — Krokodillen Formation. Pg<sub>3</sub>mr — Marchaislaguna Formation.