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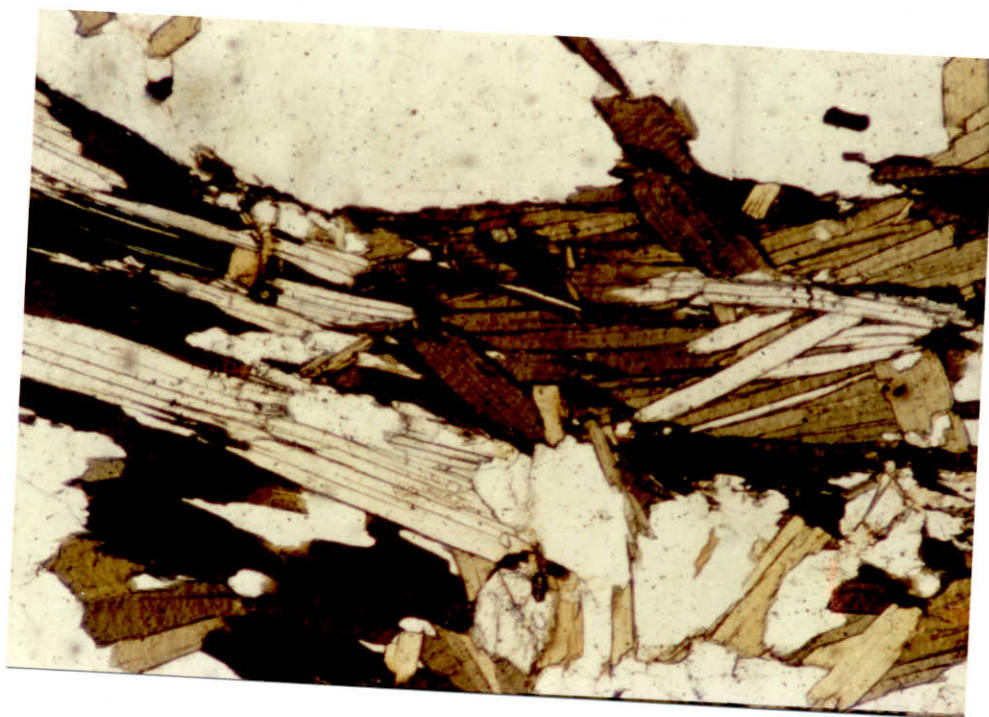


Fig. (3.7) : Biotite crystals showing more than one trend, the main one is parallel to the main schistosity. Muscovite crystals (colourless) grow on the account of biotite ; muscovite-biotite schist, S₁₉₆, OL, X₇₀.

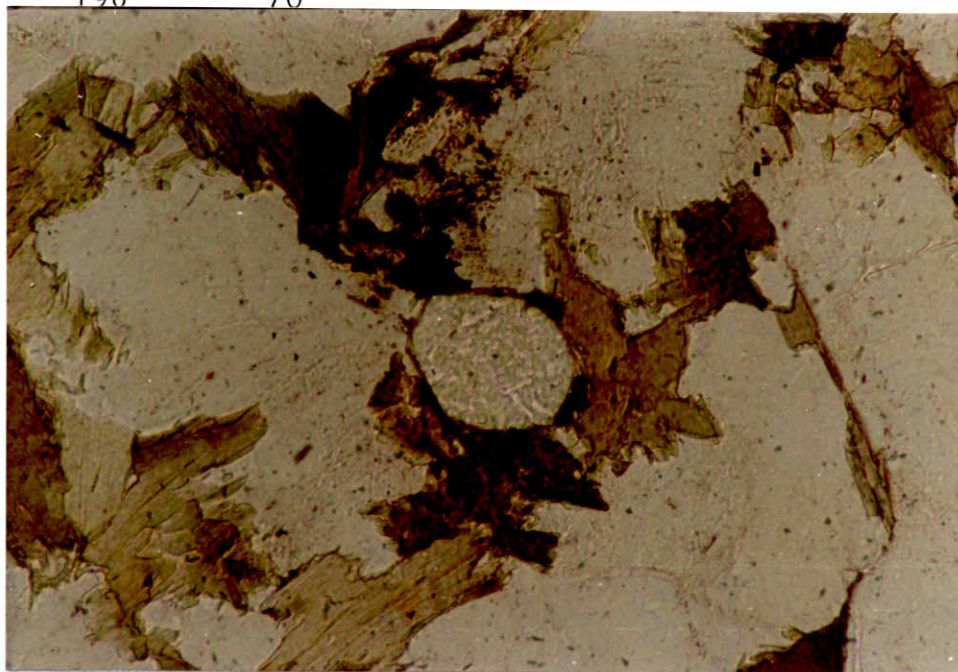


Fig. (3.8) : Small fresh, uncracked garnet crystal representing the nucleation of garnet; muscovite-biotite schist, S₁₉₁, OL, X₁₇₀.

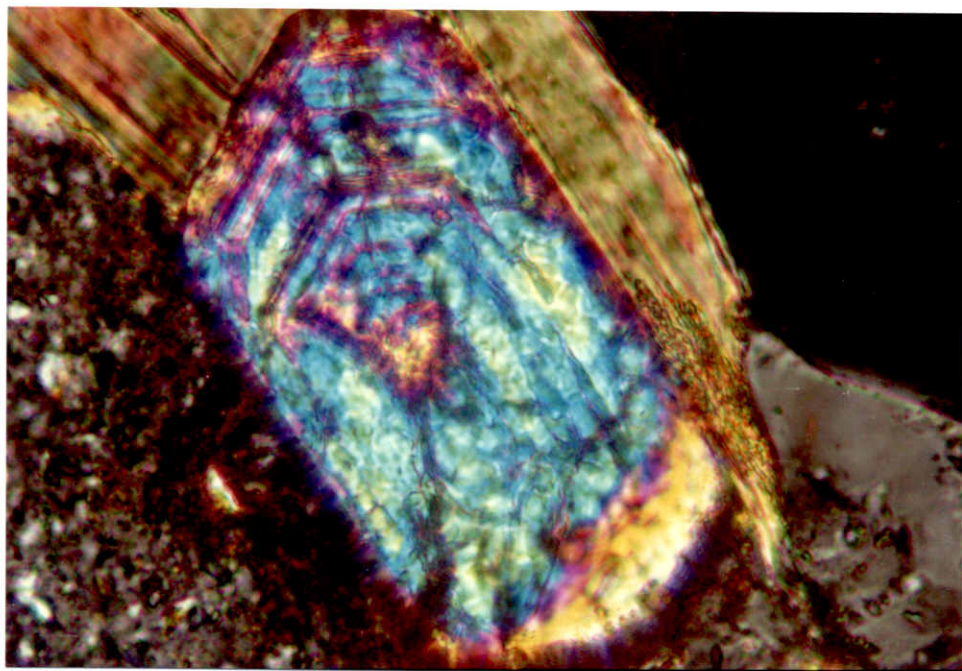


Fig. (3.9) : Idiomorphic zircon crystal showing more than one phase of growth; muscovite-biotite schist, S₁₂₅; CN, X₆₈₅.

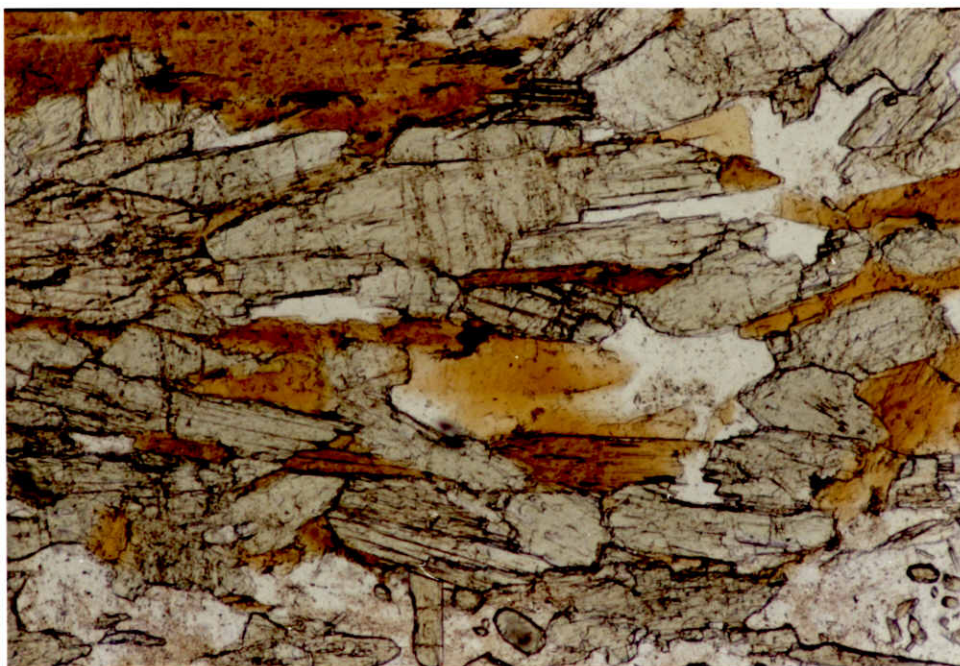


Fig. (3.13): Schistose biotite amphibolite composed mainly of hornblende partly transformed to biotite (brown) S₁₂₆, OL, X₇₀.

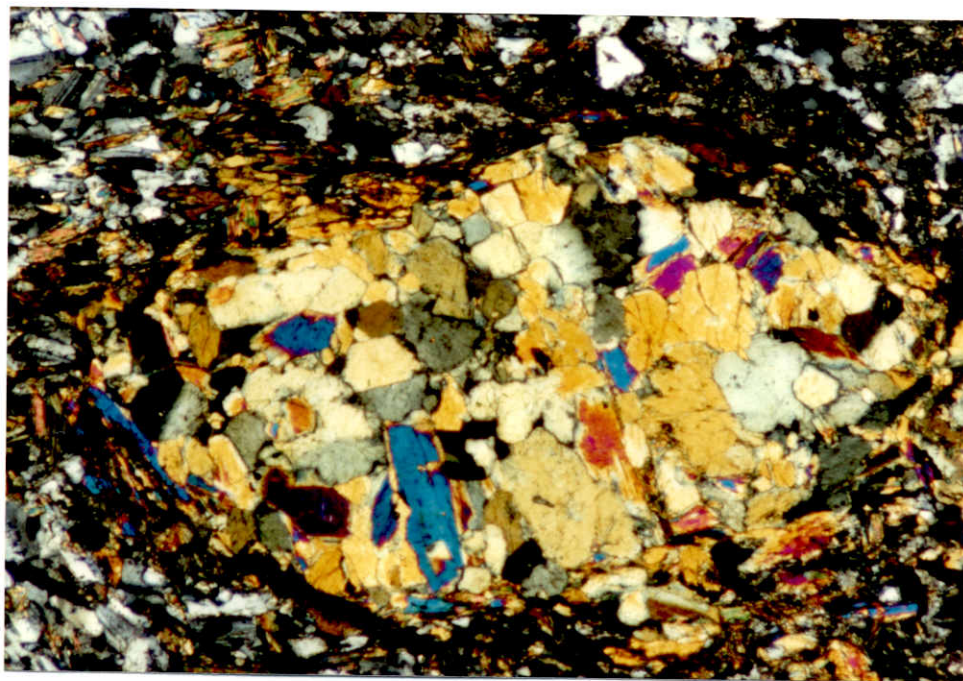


Fig. (3.14): Relics of hornblende aggregates forming blastoporphyritic texture; biotite amphibolites, S₈₄, CN, X₇₀.

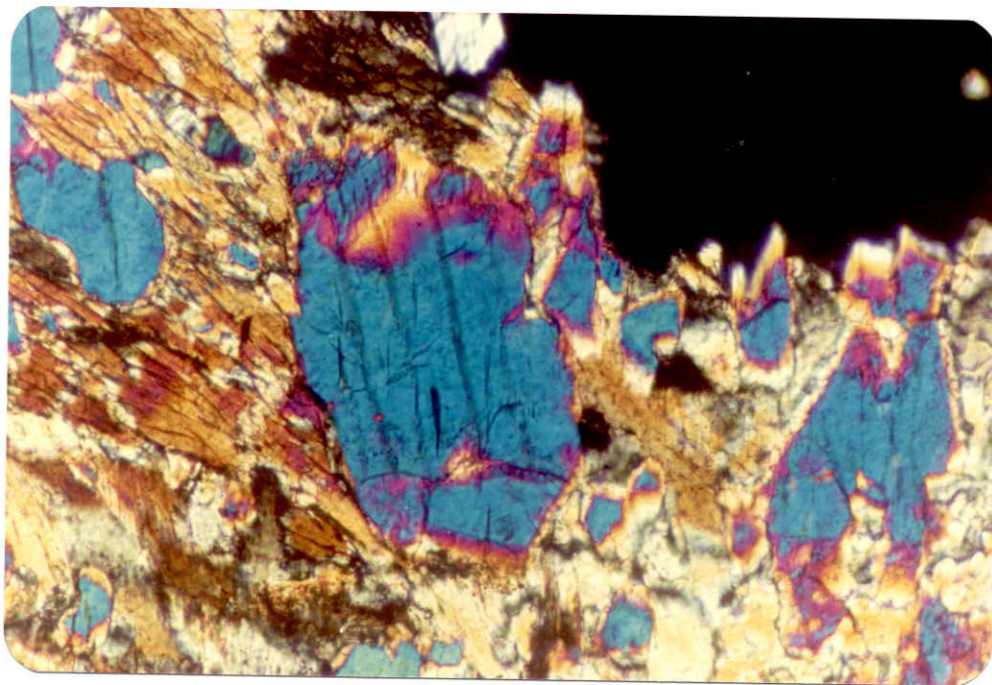


Fig. (3.15): Relict prismatic hornblende (blue) surrounded by finer-grained hornblende and fibrous biotite (brown) with gradational contact with hornblende, biotite amphibolites, S₈₄, CN, X₁₇₀.

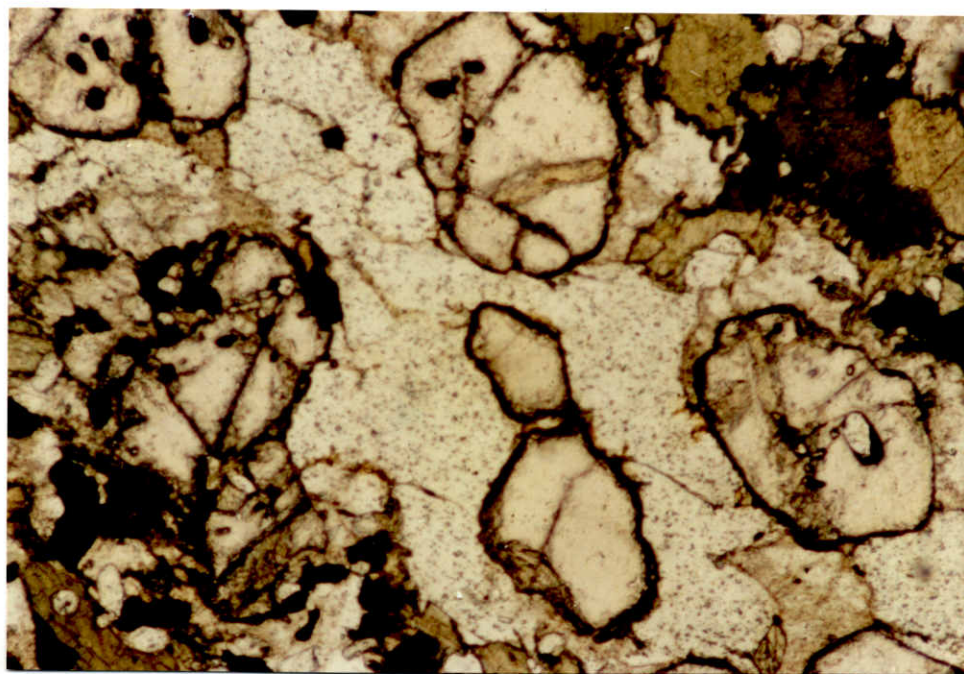


Fig. (3.16): Biotite amphibolite exhibiting garnet containing quartz, opaques and biotite inclusions, S₈₆, OL, X₇₀.

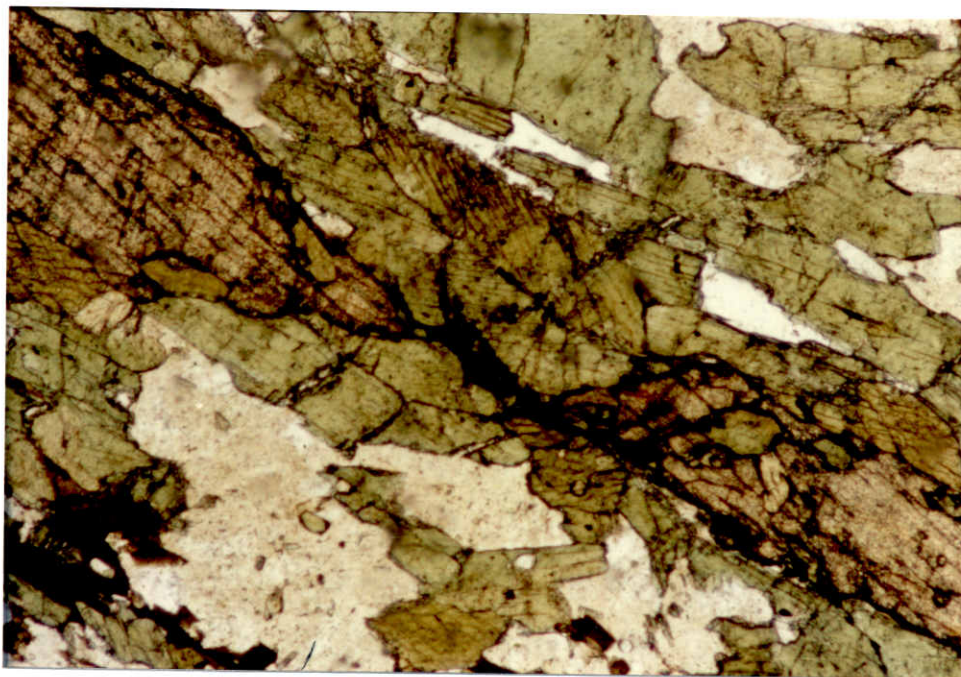


Fig. (3.17): Chain aggregate of sphene associated with opaques, parallel to the schistosity; biotite amphibolites, S₅, OL, X₇₀.

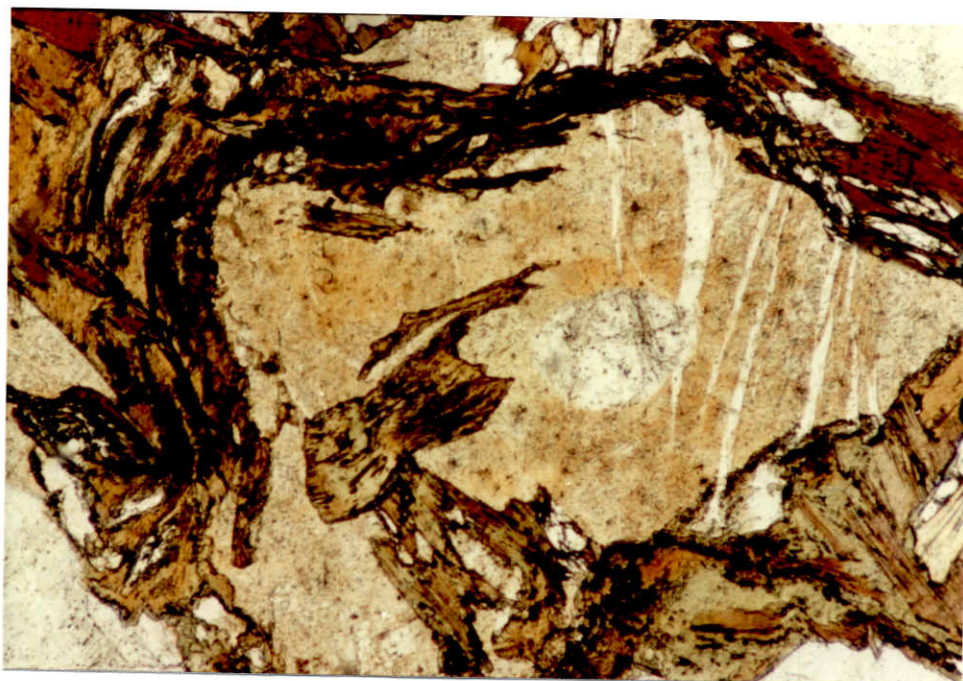


Fig. (3.18): Growth of plagioclase results in folding of biotite in migmatitic amphibolites, S₁₈, OL, X₇₀

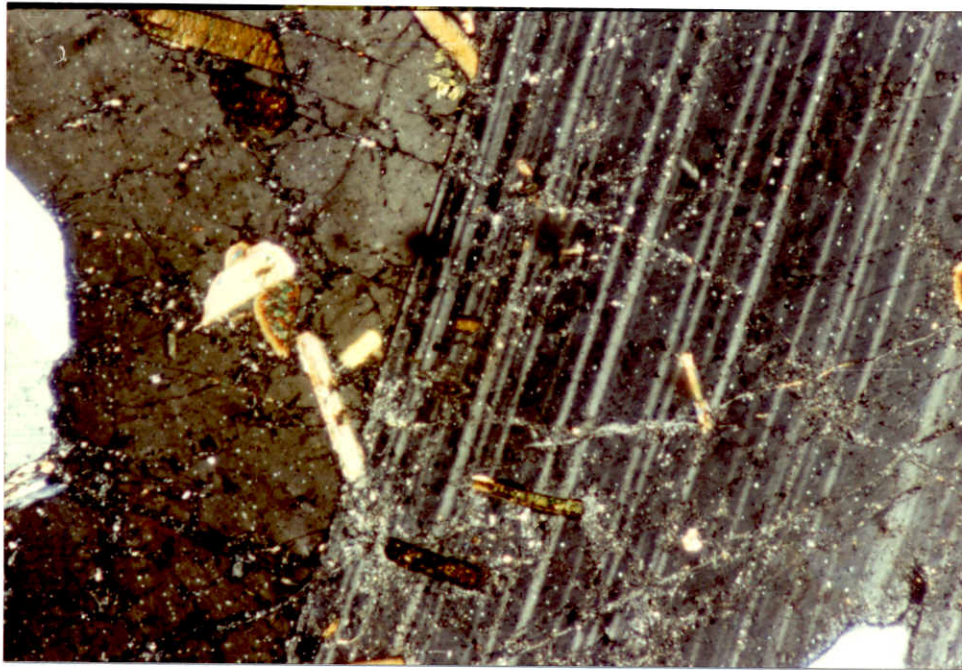


Fig. (3.19): Plagioclase shows lamellar and composite twinning and contains smaller biotite and plagioclase inclusions, migmatitic, amphibolites; S_{17} , CN, X_{70} .

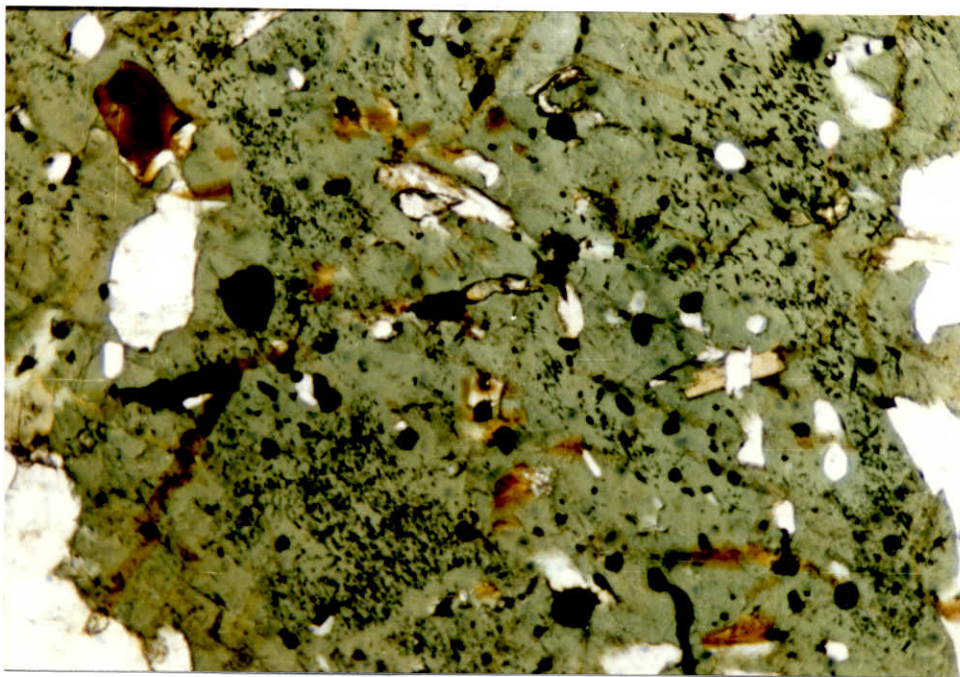


Fig. (3.20): Hornblende transformed to biotite (gradational contact) and contains inclusions of opaques and quartz; migmatitic amphibolites; S_{110} , OL, X_{70} .

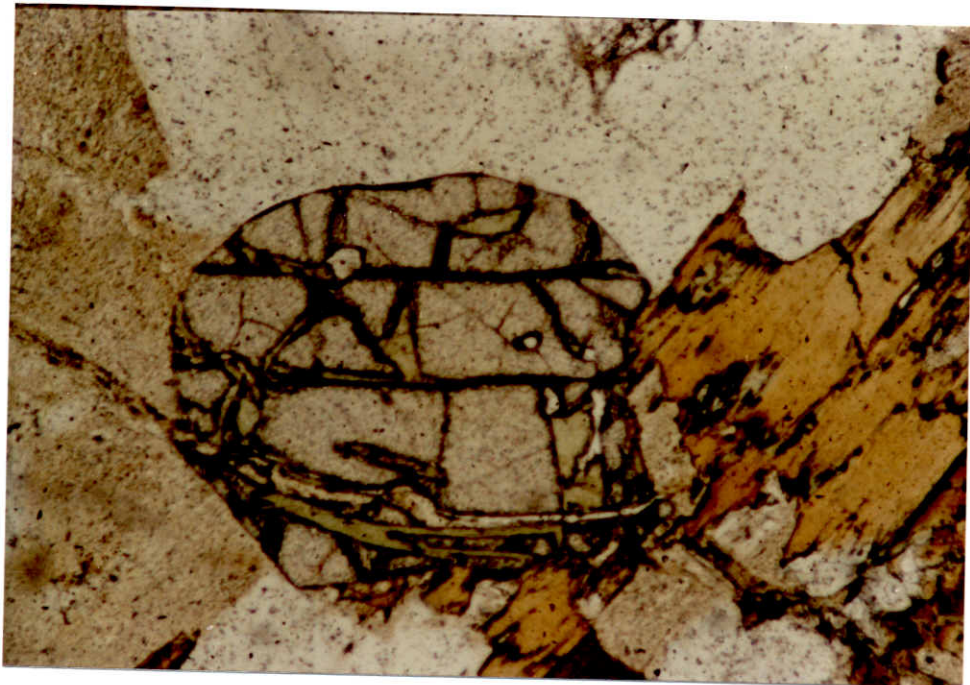


Fig. (3.21): Garnet altered along cracks cuts in biotite. Biotite invades garnet indicating earlier origin of the latter pointing out to retrogressive metamorphism, migmatitic amphibolites, X_{17} , OL, X_{70} .

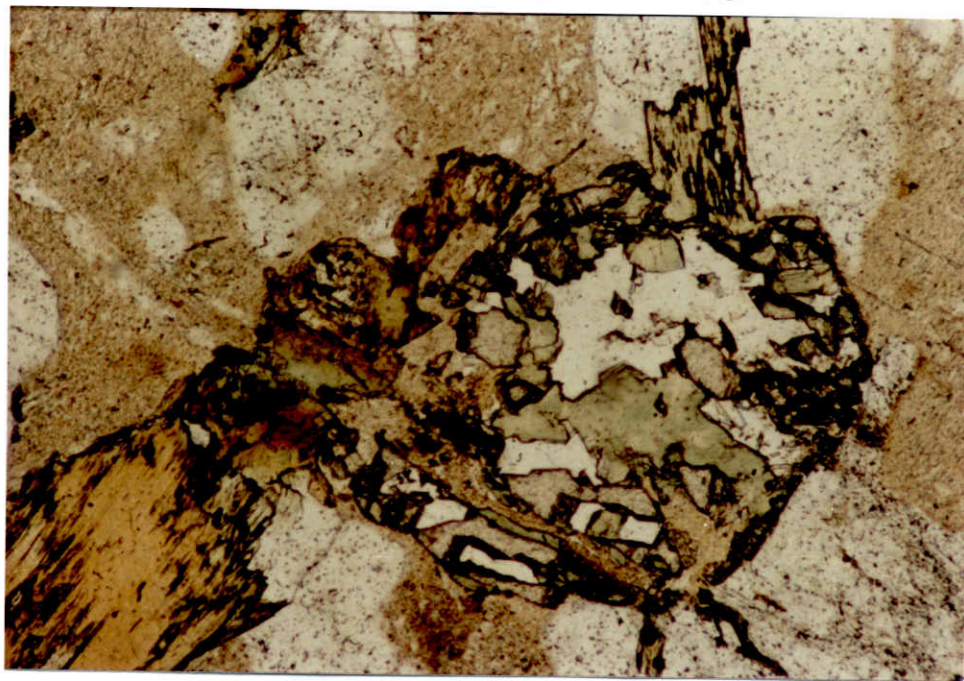


Fig. (3.22): Densely chloritized garnet with chlorite taking the shape of garnet crystal as a pseudomorph; migmatitic amphibolites, S_{17} , OL, X_{70} .



Fig. (3.23): Folded discrete ilmenite with irregular boundaries, biotite-free amphibolites, S₉₈, RL, X₇₀₀.

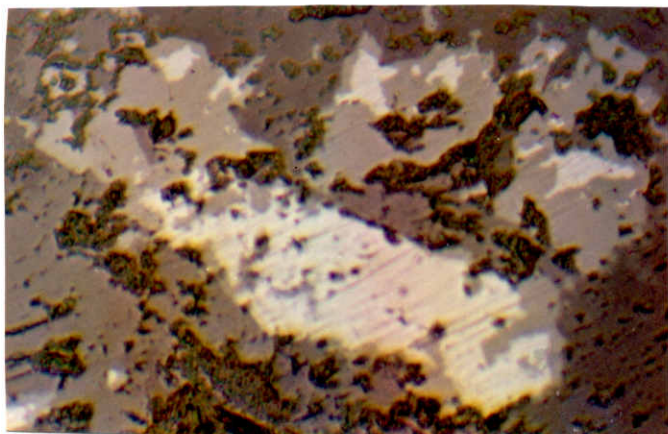


Fig. (3.24): Ilmenite severely replaced by sphene, biotite-free amphibolites, S₉₅, RL, X₇₀₀.

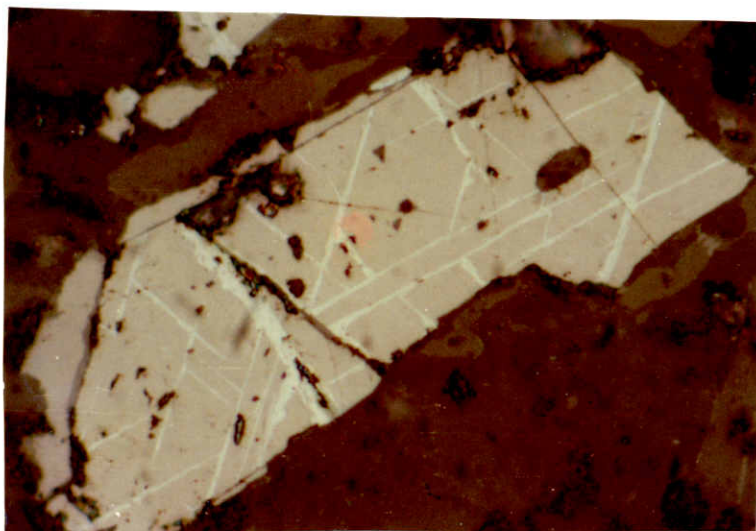


Fig. (3.25): Slightly martitized magnetite in biotite amphibolite, S_{84} , RL, X_{1750} .

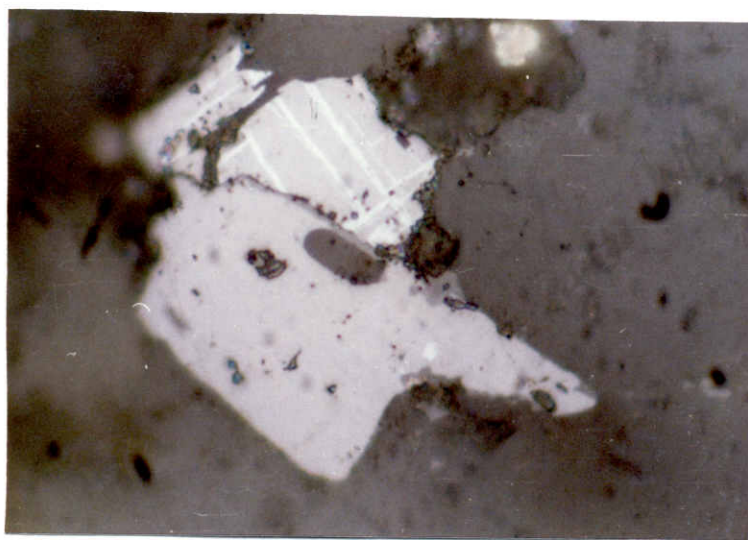


Fig. (3.26): Composite grain of ilmenite and magnetite in juxtaposition; biotite amphibolites, S_{84} , RL, X_{1750} .

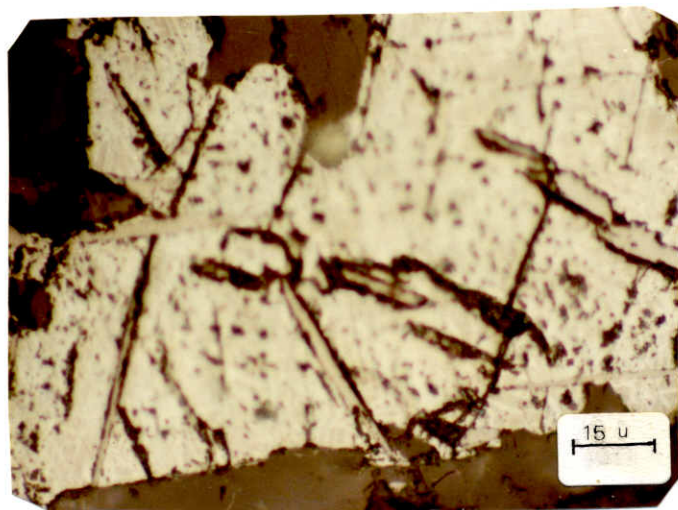


Fig. (3.27): Ilmenite-magnetite exsolution (trellis intergrowth) with ilmenite lamellae parallel to the (111) planes of magnetite, biotite amphibolites, S₈₄, RL, X₇₀₀.

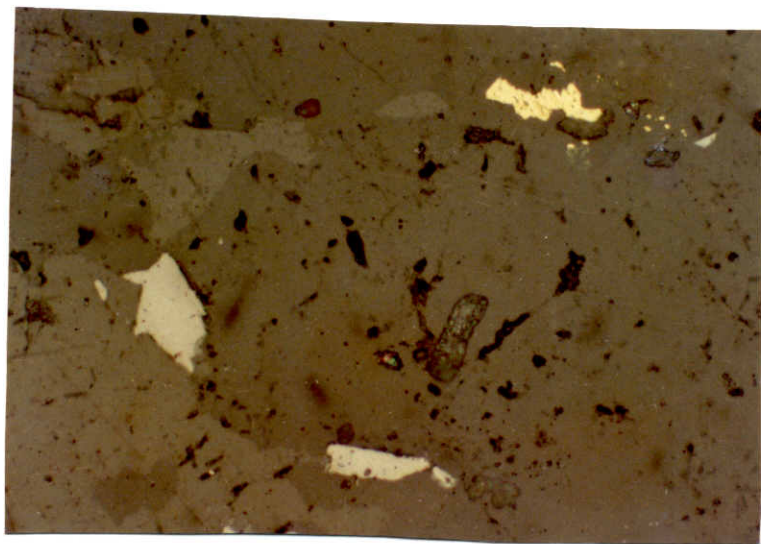


Fig. (3.28): Biotite amphibolite showing chalcopyrite and fresh ilmenite, S₁₀₂, RL, X₇₀₀.

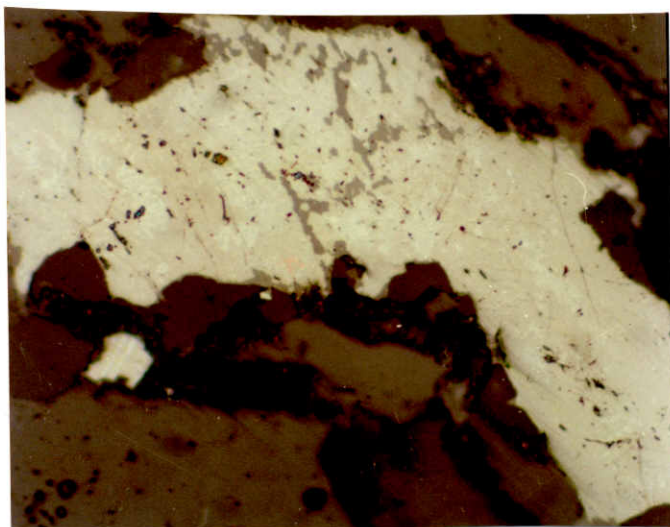


Fig. (3.29): Ilmenite altered to sphene and hematite-rutile graphic intergrowth; migmatitic amphibolites, S_{110} , RL, X_{1750} .

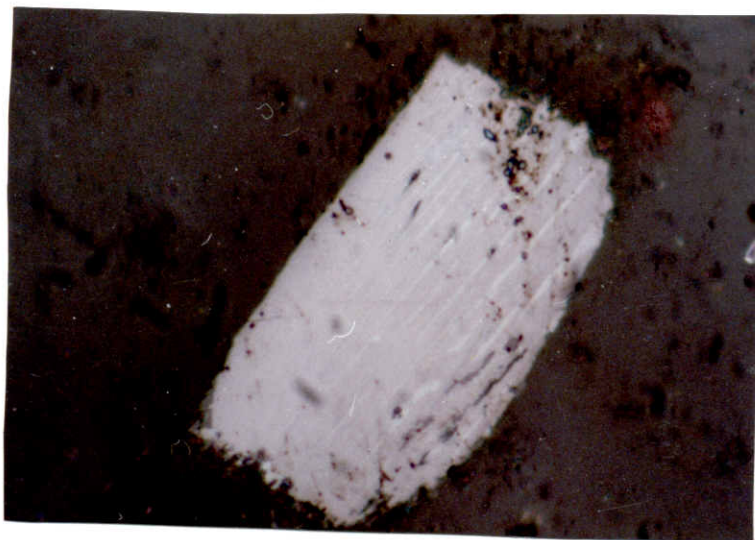


Fig. (3.30): Hemo-ilmenite exsolution intergrowth; migmatitic amphibolites, S_{110} , RL, X_{1750} .

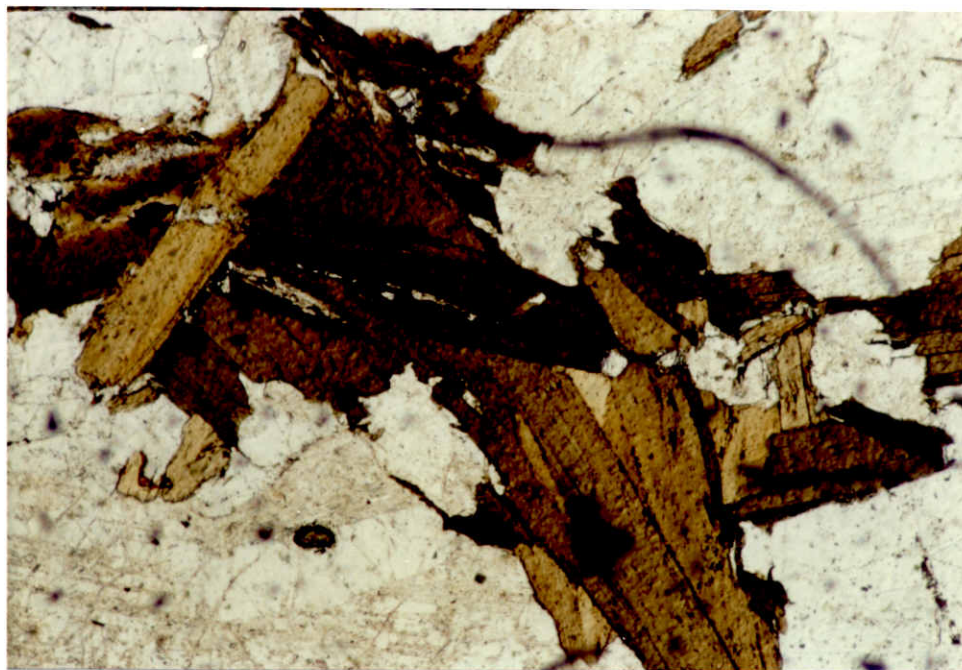


Fig. (3.39): Tonalite gneiss exhibiting well-developed gneissosity; notice the presence of obliquely oriented biotite, S₃₀, CN, X₇₀.

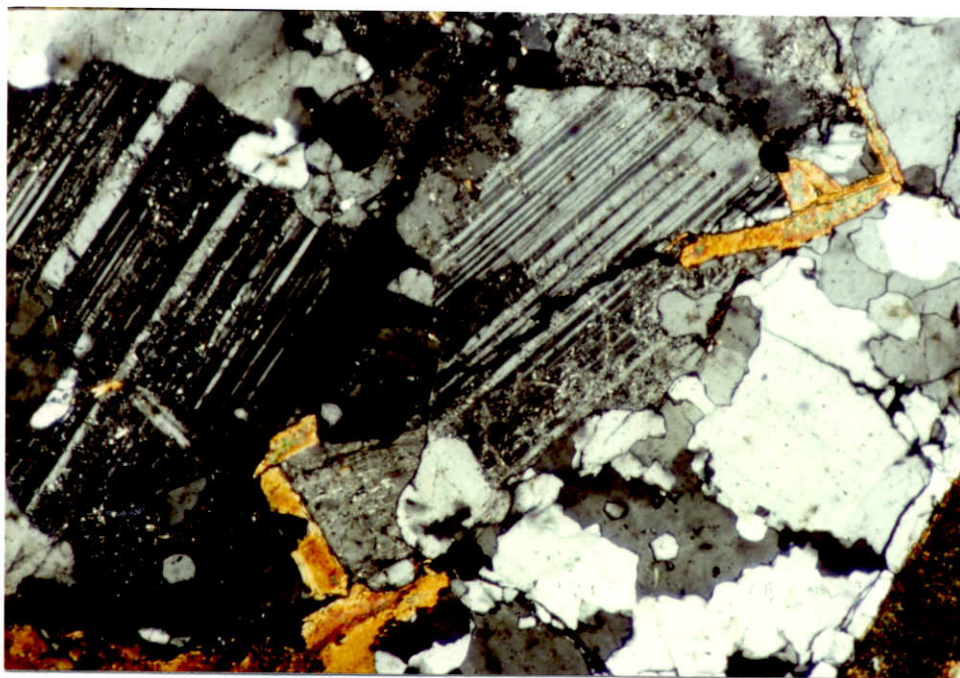


Fig. (3.40): Tonalite gneiss showing plagioclase and quartz. Quartz is corrugated with curved, serrated, lobated and embayed grain boundaries. Rounded quartz grains are enclosed by plagioclase, S₃₀, CN., X₇₀.

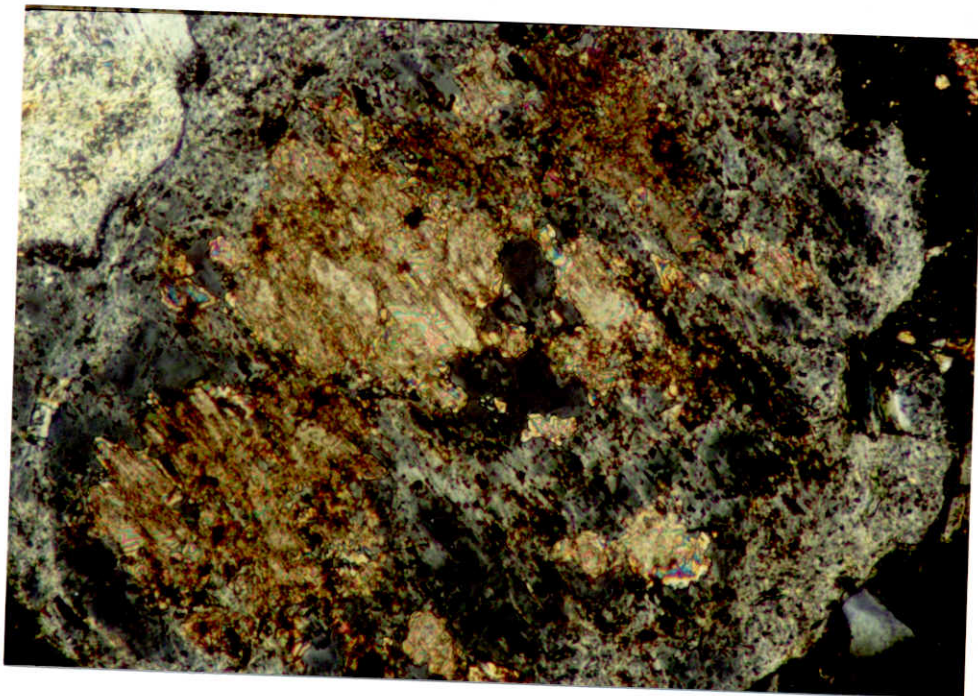


Fig. (3.41): Densely carbonatized and sericitized plagioclase in tonalite gneiss, S₂₂, CN, X₁₇₀.

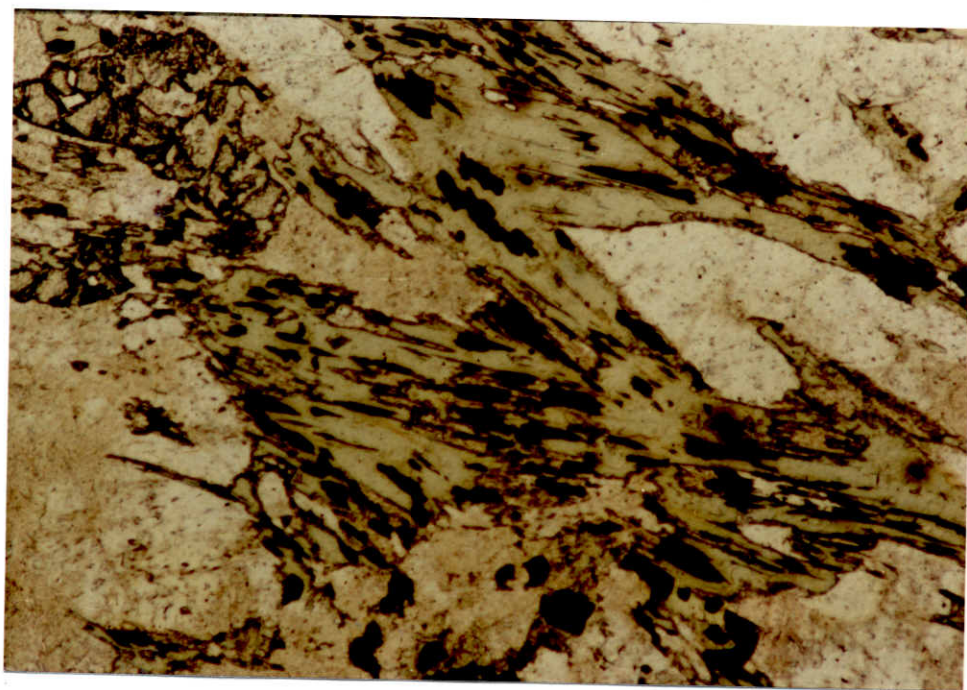


Fig. (3.42): Chlorite-opaque intergrowth developed to the expense of biotite, notice the presence of sphene, tonalite gneiss, S₂₆, OL, X₇₀.

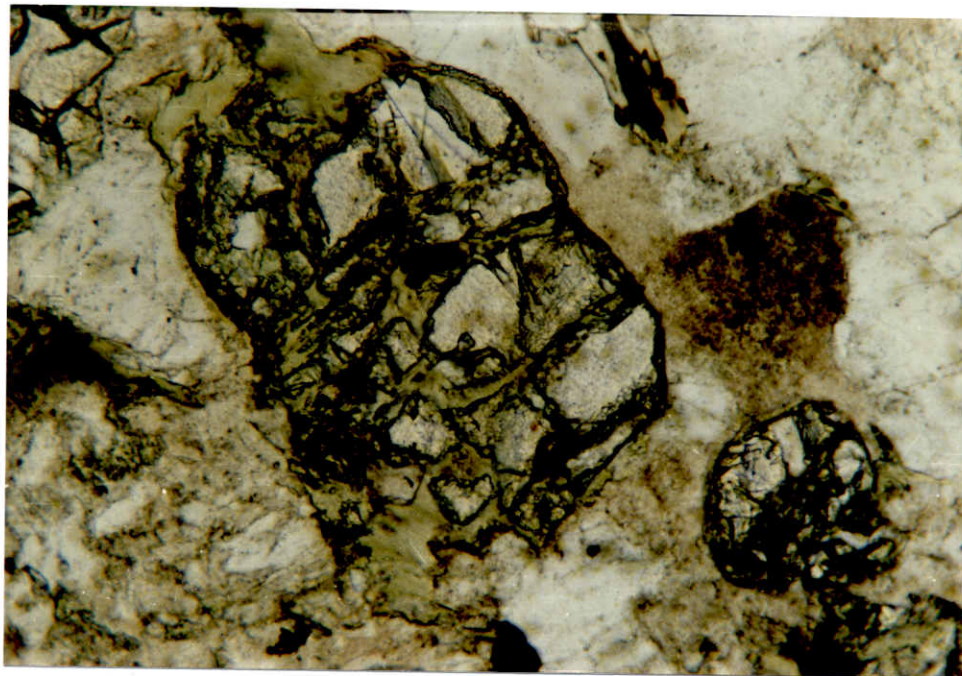


Fig. (3.43): Cracked, densely chloritized garnet in tonalite gneiss, C₂₆, PL, X₁₇₀.

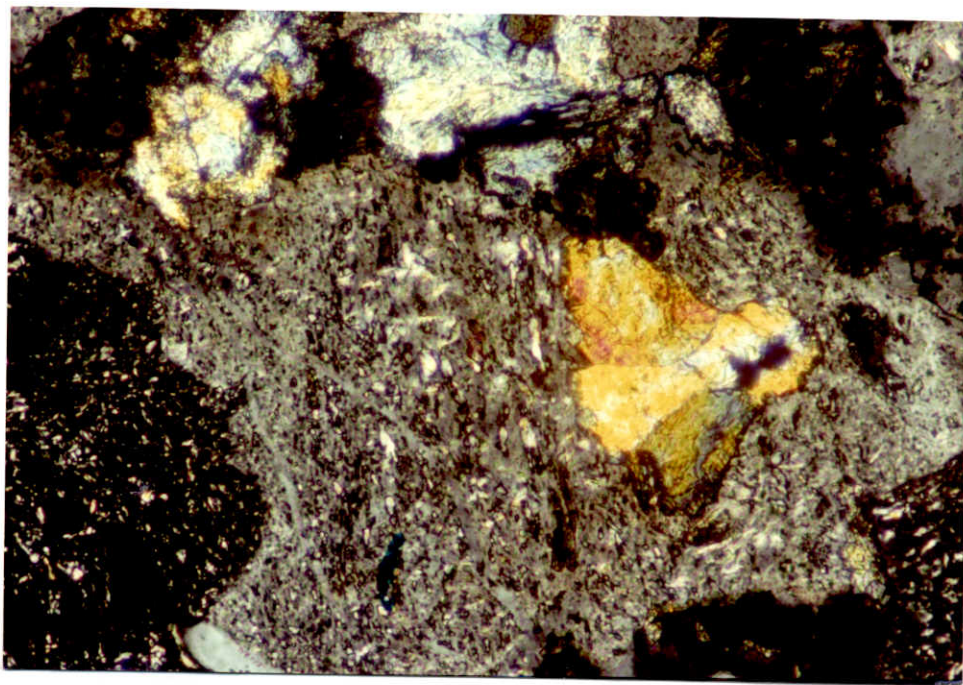


Fig. (3.44): Quartz diorite gneiss showing aggregated epidote in sericitized plagioclase and chloritized biotite, S₂₂, CN, X₁₇₀.

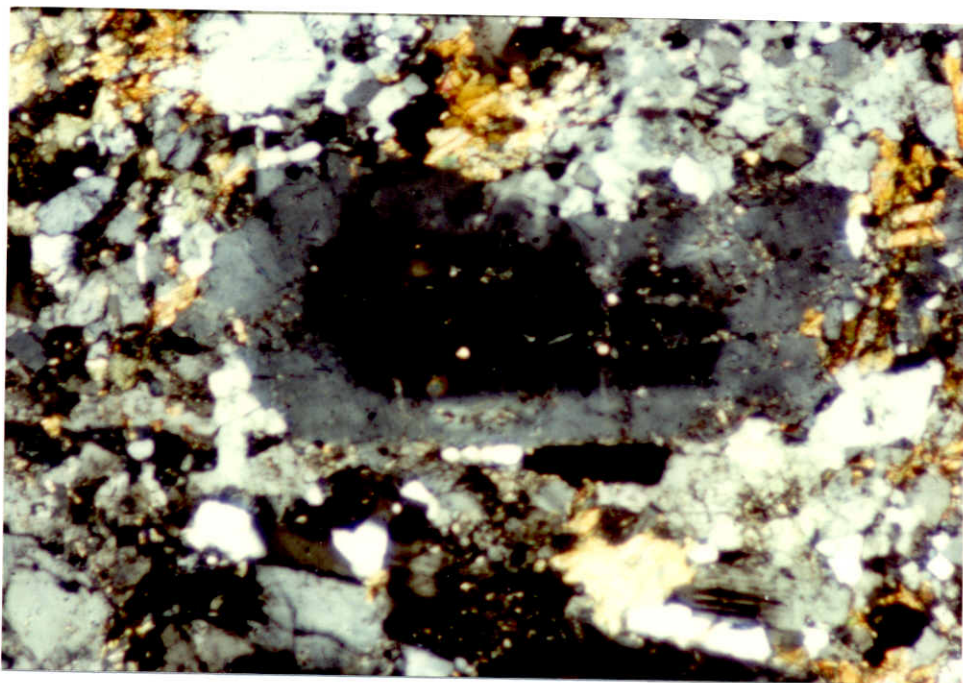


Fig. (3.45): Zoned plagioclase relics forming blastoporphyrictic texture in quartz diorite gneiss, S₂₃, CN, X₇₀.

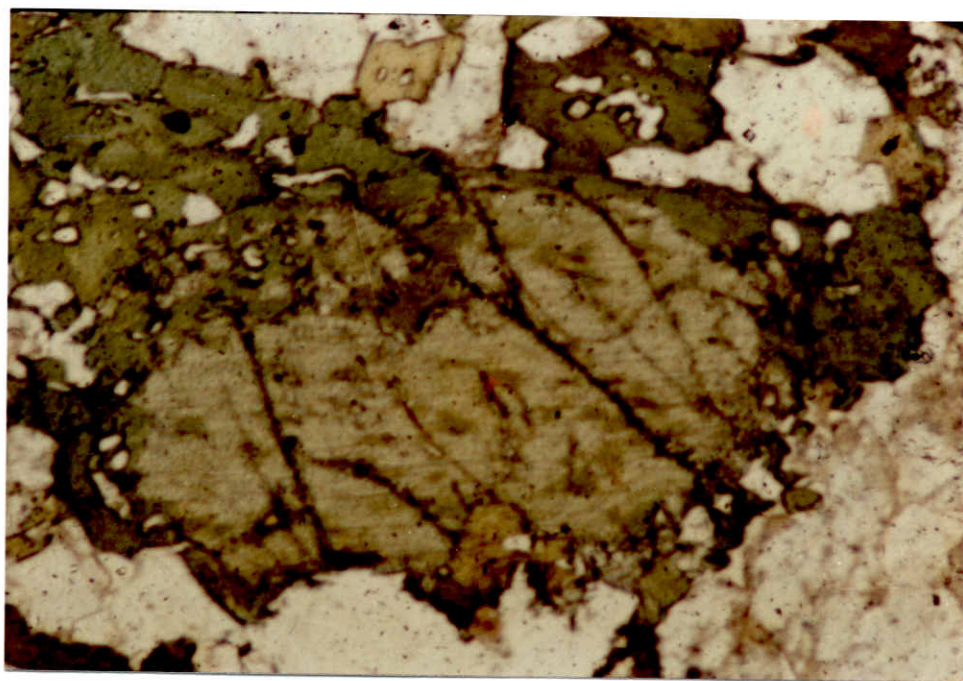


Fig. (3.46): Titanite remnants in quartz diorite gneiss rimmed by hornblende, S₁₁₈, OL, X₇₀.