We have organized a number of field trips representing pegmatite geology in Colorado. Field trips are run in parallel and will be limited to 20 people.

The list below is still tentative pending access permissions and/or availability of field trip leaders.

1) **Crystal Peak miarolitic NYF amazonite-smoky quartz pegmatites in the Pikes Peak granite, Florissant, CO** – Two separate field trips on different days are being planned to active claims that may have fresh bedrock exposures to view pegmatites that have been intruded into the Pikes Peak Granite. Collecting will probably not be allowed in active working areas. If the trip accesses inactive areas, collecting may be allowed but the pegmatite exposures may be poor. Travel time from Denver: 2.5 hours. 2WD possible on paved roads with maybe the last three miles on dirt. If 4WD is needed for last three miles, car pooling/ferrying can be arranged.

2) **Eight Mile Park district – The Mica lode, Meyers and School section pegmatites** – The Meyers pegmatite is the most lithium-rich pegmatite in this district with excellent exposures of a core margin cleavelandite unit containing lepidolite, elbaite, montebrasite, zircon variety cyrtolite and columbite. The Mica Lode pegmatite also had a reddish albite zone with prominent white alkali beryls. Outside the albitic zone crudely formed triplite crystals and large columbites were found. At various times green gahnite, and fluorapatite have been recovered. The School Section pegmatite has been historically known for it schorl in quartz specimens. Travel time from Denver: 3.0 hours. 2WD on paved roads to within the last 400 feet. Walk into the quarries and outcrops.

3) **Devils Hole district - Devils Hole and Chief Lithia pegmatites.** The Chief Lithia pegmatite has been known for its significant cleavelandite replacement unit with massive white topaz, fine and coarse grained lepidolite, green elbaite, and rarely columbite, fluorate and possibly microlite. An eastern extension of the pegmatite contains a quartz core with rare blocky beryl crystals. The Devils Hole pegmatite has been known since at least 1908 for the darkest rose quartz in Colorado, opaque green beryls and euhedral ferrocolumbite spears. Travel time from Denver: 3.5 hours. The first 3 hours to Texas Creek, along the Arkansas River is on paved roads. The last 12 miles is on dirt roads that need either high clearance vehicles if the ground is dry or 4WD to reach the two quarries.

4) **Clear Creek district pegmatites** – The pegmatites in this area exhibit both NYF and LCT characteristics. Perhaps this is an abyssal pegmatite field that is completely anatectic. The Bald Mountain pegmatite is the only lithium-bearing pegmatite in the Front Range with a cleavelandite core-margin unit containing lepidolite, green elbaite, opaque white topaz and microlite. This pegmatite is now on Jefferson county open space land and can only be viewed and not collected.
The Burroughs pegmatite is a historically important pegmatite known for its mica production but has produced beryl, and allanite crystals. Travel time from Denver: 1.0 hour on paved roads. Only a 2WD vehicle is needed.

5) **The southern part of the Crystal Mountain district - The Hyatt and Storm Mt. pegmatites.** These two pegmatites are phosphate-rich pegmatites with opaque beryl. The phosphates that have been found in these pegmatites so far include lithiophylite-triphylite, ferrisicklerite-sicklerite, graftonite-beusite, alluaudite group phosphates, purpurite-heterosite, and vivianite in fractured zones of the phosphate nodules. Other minerals that have been found are beryl, zircon variety crytolite, uraninite, and various uranium alteration minerals after uraninite. Travel time from Denver: 2.5 hours. Only a 2WD is needed to visit the Hyatt pegmatite. The last 2 miles to the Storm Mt. pegmatite is along a gated National Forest Service road which officially should be open but required a high clearance vehicle or a 4WD.

6) **The northern part of the Crystal Mountain district - The Big Boulder, Crystal Snow and Bull Elk beryl pegmatites.** The Big Boulder pegmatite is well zoned, and contains phosphate nodules, altered spodumene spears in the core and at one time, micromount-sized blue fluorapatite crystals in vugs. The Bull Elk Beryl Crystal pegmatite contains a now poorly exposed cleavelandite unit. This unit contains uraninite alteration minerals, zircon variety cyrtolite, thin columbite plates, apple green chrysoberyl, opaque white beryl and fine-grained muscovite after schorl. Travel time from Denver: 3.0 hours. Only a 2WD is needed to get to the gated National Forest Service road, which is 2 miles from the pegmatites. The last 2 miles to the pegmatites behind the gated National Forest Service road requires a high clearance vehicle or a 4WD. The Big Boulder pegmatite is on Colorado State School land.

7) **The northern edge of the Crystal Mountain district: The Wisdom Ranch pegmatite** - on private land, is the only pegmatite in Colorado that was actually mined for opaque chrysoberyl. Since it has not been legally visited since 1942, the dumps will be overgrown and probably contain chrysoberyl and beryl specimens. Travel time from Denver: 2.5 hours. Only a 2WD is needed.

8) **Micanite district – The Rose Dawn and Climax pegmatites.** The Rose Dawn pegmatite at one time contained abundant beryl, sometimes of aquamarine color, 4 cm wide gray euhedral fluorapatite crystals, kilogram-sized columbite crystals and almandine. The Climax pegmatite was also known at one time for his huge blue cordierite crystals, but these have not been reported by collectors for many years. Travel time from Denver: 3.0 hours. Only a 2WD vehicle is needed to within 0.5 miles of the Rose Dawn pegmatite. The last ½ mile to 1 mile is along a dirt road that requires either a high clearance vehicle or a 4WD.

9) **Trout Creek Pass - Clora May, Crystal no. 8 (Luella) and Yard pegmatites.** These NYF rare-earth pegmatites have received a revival of collecting due to the use of beta and gamma radiation detectors. Excellent specimens of monazite, aeschysnite, polycrase, xenotime and other rare-earth elements have been reported. Travel time from Denver: 3.0 hours. Only a 2WD vehicle is needed for the Clora
May and Luella pegmatites. Access to the Luella pegmatite is via walking the last ¼ mile and fording Trout Creek. The last ½ mile to the Yard mile requires a 4WD but walking can be done. Radiation detectors for locating rare earth minerals in these pegmatites is highly desirable.

10) **South Platte district - Big Bertha, and White Cloud pegmatites.** These characteristic NYF pegmatites have in the past contained an abundance of exceptionally rare minerals – allanite, synchysite, yttrium-bearing fluoride, gadolinite, zircon variety cytrolite, xenotime and other rare-earth minerals. Access to the Dazie Bell and adjacent pegmatites is also being investigated. Travel time from Denver: 2.0 hours. Only a 2WD vehicle is needed for trailhead access for the White cloud. A ½ mile walk-in is required. Access to Big Bertha may be similar. Access for the Dazie Bell pegmatites, if the Forest service opens the gated road can be by a 2WD dirt road.

11) **St. Peters Dome District - Alkali granitic pegmatites.** These pegmatite, known since the 1880s contains some of the best examples of cryolite, other difficult to identify fluorides, riebeckite, zircon (which is sometimes gemmy) and world class examples of astrophyllite. Travel time from Denver: 2.0 hours. Only a 2WD vehicle is needed for trailhead access. Hiking access is about 2 miles via an old railroad bed at an almost flat level.

12) **The Platt pegmatite** – This pegmatite is located just north of the Colorado border, southeast of Encampment, Wyo. All the mining activity has been done via a deep, now closed vertical shaft. Except for one older publication, the minerals from this pegmatite have not been researched, seriously collected nor properly identified. If permission is granted, collecting on the dump, especially if assisted with radiation detectors, will yield reputed euxenite crystals, monazite, columbite, zircons, ilmenite and possibly other never documented minerals. Travel time from Denver: 4.0 hours by I-25 to Fort Collins, then route 287 from Fort Collins to Laramie. Then from Laramie, use route 230, the same as route 127 to route 125 to Saratoga, Wyoming. The bitumen is left behind near Big Creek with only 1 mile to the pegmatite. If the last 1 mile along the dirt road is dry, access can be completely by 2WD.

13) **Quartz Creek district, Gunnison County – The Brown Derby and Bazooka pegmatites.** The Brown Derby pegmatites are the most differentiated LCT pegmatites in Colorado. They contain the only occurrence of pollucite (still exposed in the stope), a cesium-bearing zeolite, columbite-tantalite, monazite, stibiotantalite, microlite (still found as brown blebs on the dump), fine-grained lepiolite, altered and unaltered elbaite in green, pink and watermelon colors, massive white topaz and other rare-earth, radioactive minerals (possibly euxenite but not studied). Travel time from Denver: 5 to 5.5 hours to Wood’s Gulch BLM-NFS access road where the paved road ends. Form the BLM 802 route road to the Brown Derby pegmatites is about 5 miles. To the Trailhead only a 2WD vehicle is needed. For the last 5 miles a 4WD is required. A 2WD pickup truck with high clearance might be successful also. Access from the Ohio City road is not legally possible.