

January 1985.

Dear Member,

Your committee decided a newsletter would be a useful asset to the society to help disseminate information about the activities of groups of members, as in field trips, as well as individual member activities. It will all depend on your contributions how often newsletters appear, we will be pleased to receive material for collation, short items only please.

ITEM 1 FIELD TRIP TO CORNWALL - 14-21st APRIL 1984.

Based at Wheal Brake Motel NANPEAN N^r St Austell and Camborne School of Mines Students Hotel.

The first two days spent with Douglas Creba* - an authority on Cornish minerals - some of the localities visited are listed below:-
 MAP REF. sheet 203.

- (a) CLISSA HEAD 737/538. Down the cliff from the disused Cligga Mine minerals found - wolfram, cassiterite, garnet, tourmaline & others.
- (b) TREVAUNANCE COVE 721/516 St Agnes - a cleft in the rock had a tuffa like deposit of enysite (copper sulphate).
- (c) WHEAL GORAN - nr. Wellington Mine was a roadside tip yielding abundant fluorite (green variety) & several copper minerals.
- (d) WHEAL PHOENIX at Minions - copper minerals - cuprite, chalcotrichite, azurite, malachite and possibly native copper.
- (e) WHITEMOOR 975/578 - pegmatite with large biotite crystals.
- (f) ROCHE 985/600 - classical outcrop of roche rock, school - no collecting.
- (g) RUTHERN 995/650 Withiel - a disused overgrown quarry yielded thadachrosite and dendritic pyrolusite.

* Douglas Creba - very helpful to anyone interested in the area, his address is available from the Field Secretary.

The following two days on the Lizard with Dave Freeman looking at igneous & metamorphic rocks. Beginning WESTERN LIZARD.

- (a) PRAA SANDS BEACH 575/280 - microgranite dyke - phenocrysts oriented along the dyke - a pegmatite dyke with aplite borders with phenocrysts at \perp to intrusion wall. $1\frac{1}{2}$ -2 miles along the beach to Porthleven - granite intrusion with feldspar phenocrysts \approx 4" long, across, across Kinsly Head to TREMEARNE COVE 606/267 - pegmatite sill with feldspars and acicular tourmaline at \perp to contact.

EASTERN LIZARD

- (a) NARE POINT 800/251 - Menover - Devonian congl. and raised beaches.
- (b) COVERACK 783/185 - many dykes - basalt, gabbro, troctolite, peridotite, enstatite and steartite.
- (c) KENNACK SANDS 735/165 - serpentinite with microgranite infections
- (d) CADGWITH. 721/145. - hornblende schists.

The field party also enjoyed a conducted tour of Geevor Tin Mine

and an all too short visit to the Camborne School of Mines. Leo James conducted a tour of raised beaches at German Bay, Rendover in Roseland, Portscatho, Towans beach north of St Anthony point and several others. Many interesting pictures were absorbed and we will be pleased to have Leo James talk to us later in the year.

Another successful field trip was held May 25-28th in the Peak district, full coverage of which is in the new Journal.

ITEM 2. Summer Evening Field meeting Sat July 14th at Hillside the Reon valley river mouth.

Our Secretary Charles Ives led a gentle meander on a warm sunny evening along the flat beach where many sponge fossils were collected and a rilled *Conulus* Echinoid. Previous visits have yielded flint peecten shell moulds & early hand axes also found. The low cliffs show interesting features washed out, clay drapes etc.

ITEM 3. FIELD TRIP BARTON-ON-SEA 17th JULY.

Members were led by Daphne & Clifford Tarbox whose knowledge of this area is extensive and gave us the following report. This area is in the Eocene strata of the Hampshire basin region. The Barton beds take their name from the locality and are split into three divisions, Lower, Middle and Upper beds. The beds consist of clay and sand of predominately marine origin.

The group looked at the lower beds between Barton and Highcliffe, where the cliffs have slumped so much that they are indistinguishable but are very fossiliferous. Some of the fossils found and collected were:- *Cardita simplex*, *Cardita sulcata*, *Callista*, *Crassatella sulcata*, *Turritella edita*, *Turritella imbricata*, *Antalis striata*, *Chama squamosa* and *Ostrea plicata*.

The October field trip to the Forest of Dean must be held over until the next newsletter or else it will become more of a magazine than a newsletter in size. One remark about Barton the cliffs are very dangerous particularly when wet. I once rescued my God daughter minus wellingtons she was sinking into the mud very rapidly.

The A.G.M. was well attended in January in spite of the somewhat arctic conditions and our grateful thanks were tendered to Charles Ives who has served us well as secretary for the past three years and also to Ian Davison who has resigned from the committee after several years of faithful service. Welcome to Mary Bell Hovenden on the committee and Colin Brash who has undertaken the duties of secretary. Our thanks also to Audrey Price for her displays in the case and our thanks to Jill Wenham Smith for taking on this task.