England 1974

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98225 U.S.A.

from __________
to __________

NON-SLIP® RUBBER EDGE
Marseille

Farmer's position - pink

9 - 7 - 7 in. on opp. side from 1st boat.

29 metres

8 - 7 - 6 - 3. dredging at m.
M. Rubel - Greetings to Dr. Opitz from Tolmin and Turtu.

N. Raat presentation
3 belts of volcanicity, of Wales
a) Lake District
b) Scotland

Milange
Hyacelastic

Reading
Oxford
Branbury
Lumington Spa.

Rep. Huddersfield 1.15pm
Change Wakefield Westgate London (Kings Cross)
Left Vancouver in sunshine; this was very fortunate because Wardair had passengers board the plane by means of 2 stairways from the tarmac. Candy was passed around. My window seat was on front part of wing so I could see a fair amount. This 747 had an exceptionally short wing span. John Turner & wife & Hugh Fletcher & family were on the flight. We flew out over Georgia St. & up Howe Sound (3000 ft to 12000 ft elevation increase as we went up the Sound). Good view of coastal range & Fraser Valley before cloud hid the ground. Beacon on Iceland was visible when we were rising 1st hr. of sunrise. About 3 hrs of darkness between sun setting & sun rising. As we came over Shetland Is. it was announced that it was raining heavily in London. On to Manchester & London - glimpse of green fields as we came down through the "thunderheads" at Galveston. Smooth landing. Dismantled down ramp in rain to bus which took us to terminal. Passport OK. (Commonwealth) picked up bag, nothing to declare. Out & on way to train. Caught 10:24 am train to Victoria - 40 minute trip w. stops at 4 stations. It was about 10 mins betw. getting luggage & getting a train.
At Victoria checked Fams to Brighton, Lyme, Portman & phoned hotel for accommodation. Mayflower had no vacancies & referred me to Salisbury. Using Salisbury phone no. got Bristol Court Hotel. Took train to Earl’s Court & booked in at hotel who had seen better days. Radio + telephone in each room. As bathroom light was not operative, I located another one. Toilets seemed to be messy. Had bath, laid clothes out then went to Haymarket. Here I discovered Aug. 25 was a Bank Holiday & American Express was closed. Walked briefly up Regent St. & returned to hotel picking up Ryewheat & Danone Yogurt. Checked in Newcom Hotel for accommodation, paid deposit in advance of #3. Returned to hotel & to sleep. Aug. 27.
Expenses

9-16-74.

Chemist 8.52p.
Beer (lunch) 7½p
2 Beer (supper) 2½p

2 Beer 14½p
11½p

Dr. Maurice Less
Dept. of History
Univ. of Western Ontario
Res. on History of Canadian Geol. Survey
1974.
Dunmow - Hertford
client went on A
4 to Kidderminster to
Tewkesbury Wells

Areas near Tidworth, thin red-purple Old Red
S. & onto Eilexian then Ord.

Warwickshire, Herefordshire & Worcester
are charact. by mediavel wood & stone
buildings. Welsh llods & yeomen are
stone; Wales also is char. by hills w. rock
exposed in contrast to England w. rolling
grassy & tree covered slopes & hills.

Abundance of sheep.

Burning of fields.
Step 1. Phot. black shale w. tribolites
graps & braehs. not so apparent
bacolith astrides black shales
Construction of houses a few 100 yds
to w. means this Middle Recess may
not survive much longer. There are
several quarries & just not this one

S. edge of Gaskill basin

Step 1-2 Quary down long road - now not seen

Cone- P1

about 200 ft. missing
Carrodac 7 (June 7)
1/2 mile to North 71 Carrodac 5 Carrodac 7 etc
for type section of boundary
6.07 x 6.07
Tidesgo drops rubble

1 cast of treposome.
Llanddewy - STREAM, Pumps of Wales. Pre 1960 maps.

Llanddewy basin

Step II. Small fan on right now. Rapidly flowing stream. Could see different lithologies; 'rocked' 'gulch' at contact. W Clorendon sec. you always go to shallower water. Faunas acc. to Coe. - if it went to deeper water things would be incorrectly interpreted.

3) Quarry - would not have recognized this as a quarry.

Gate

Llanddewy Flags

- Stream

The hillslope over phylite 'breccia' into Flags guts. Flags are in soil under soil cover.

[ Dalmanella clean into Greens ]

[ in England? Y/N ]

Nemathlopterus grimaldi occurs lower than shales labelled N. gracilis

Bryozoan float presumably detone from lenses in Flags & Grits. Also pieces of grit w. bryozoans. Age: Upper Blanwin Formw.
9-11-74 - A. Bryozoan float
9-11-74 - B. Bryozoan grit float.
Stop 11-6, succession in railway cutting ca 100-150 yds south of southern railroad gate. Collected by Rousseau Flower.

The material was collected from locality x on cross section but the authorities (student mapping the area)
R. Addison,
said material probably came from
x on cross section; this was based on discussion that late wedges occur at x?

9-11-74 - C. Dynamo Park. Upper lower blandails, associated with late lenses w.
bedding planes filled w. Sowerbyella antiqua. Exposure along private road running N.W. from the artificial lake at the western end of Deer Park.

V. Few graps, have been found in type blandails.
Discussion by Alwyn Williams  9-9-74

Tony Anticlinorium

NW

SW

E-W trending

Typical

Deep basement

Triassic - linear anticlinorium at its inception

At section along NW-SE ripples various part of High C, G (Tertiary) sits uncomfortably on lower Ilandeilo

Thin cross-folds on anticlinorium

Llandeilo

Bathy - volcanic complex w. ripples microfaults +

Rhyolite up from Llandeilo - an island

wareashed E of W. - rhyolite Naide no sediment. Saline

Llandeilo sedimentary deposit of

emb. + late; thin unterming of graphitic shales

Abnormal development of Llandeilo + Llandeilo facies. Llandeilo wedge in Welsh Basin.
Top of Fairbach Ga has late w. lloydolithus lloydii & this is restricted & known in Meadowtown w.

*Glyptagnostus*
{Trimerotropichthys} in Bettan Beds.

Betr. Benton & Meadowtown is Weston Fm. & this contains Didymagnostus murchisoni

1. Fairbach Ga = Weston Fm.

Bergstrom disagrees - then depression by A. Williams on where is *Textituculus* Zone.

G. Elles never mapped this in the field; she tried to substantiate Lapworth's framework of 1910. First of all by combining ec. blood (2 bright young things from Birmingham) who had to keep busy. Then in 1930's a post-doctor. at Newnham College was given the job of mapping the built area & the *Textituculus* zone. This gal enlarged Geol. Surv. map of area, did no mapping.
9-12-74

Klandsedlo: 3800 ft. total
Upper ca 2000
Middle ca 8000
Lower ca 8000

Nemagraphtes gracilipes goes down into lower, upper Klandsedlo. Klandsedlo is being very much expanded as a strat. unit.

Type Klandsedlo is 1,000 ft. 7 ft. Stop III-152
in Mydum District they Klandsedlo is 200 ft.

9-12-74 - A. Stop III-6. p/13. horneter Velfrey section Cassidoloc. The upper part is believed by A. Williams to be Cassidoloc.

9-12-74-B - X middle. Stop III-5. p/13. Bytn-bane quarries. Either upper Klandsedlo or Cretanian because collections comes from upper part

SLADE AND REDHILL REGS (150 - 600 m)

-Collier W. H. Williams et al. (1971) 'A Comparison of Oxidation Rocks in the British Isles' gives age

Upper Ash gill

Strahan, A et al. (1974) 'The Country around

Haverfordwest' (Shire 288) Min Geol Surv UK is

I think the particular Member for local details

These are well known, as I remember, in the old Straker

Lane which runs roughly north west behind Robertson

Watson Church - just North of Main A 40 Road, about

13 Kms East of Haverfordwest

Tony Rushford, M. K. Geol. Surv. Museum, Lower Parks

Ashgillian - acetate slides, made by

student on a project.

Cobble's early identifications of bryozoan I

ident. I placed labels on. Write a short

paper on this. Hes seventy thinks they are

dasylophoracean algae.


Slide of Bolopora undosa. send a letter

indicating where (ie 3 wh. paper in wh.) I want

Bolopora as a bryozoan. Perhaps borrow

slide.

What else was in little red book.
Thames Estuary Bay. Type section of fluvian
N. side of St. Deodat 3 miles north
is location of fluvian type section
Llandudson Farm - is type section; there is
no town of Llandudson
Loc. 3. Classic marlchasmi locality
Loc. 4.
Covered by water - tide in & up.

Origin of rocks for Stonehenge.
Pitscille Hills. Works done by amateur
geologist at St.C.

Blue-grey volcanic rocks carried by soft
down streams to Bristol Channel to Avon
then over Mound Hill, Cattlewolds
- these were open chalk areas to Salisbury
Plains
Stop V - 5. Regular Lake (Roc. lès).

Widespread Caradoc fauna found at
Grand (at Whittaker), Eocene unit of Fonthill,
Maine etc. = middle Maywood (vague enough). Photo of R. lake. Not a nodular slate but
a shelly, post-depositional phenomenon, balls
of clay compaction, CaCO₃ soln.
Compaction, thickening of strata vertically.

Stop V - 6. Unconformity.
Calcarenous ashes in Caradoci, have by far
the most abundant faunas in this division.
Regional Picture.

Bala area has series of faulted blocks which define an sedimentation takes place - all are shallow water deposits substantial but not very deep. How does this differ from F. Williams' interpretation of sediments on anticlines, i.e., much are gently tilted as subsidence. In Bala area the volcanic intrusions (andesite) & volcanic outflows provided sediments from within the basin unlike area to S. & W. The Irish ridge was not a source of sediment. On west side of Irish Ridge there was more rapid subsidence & different kind of sediments. The submarine zone is from E. acre to Deucey & to W. acre to one of the earlier writers.

Northern section has an entirely different relation to Wales. Anglesey.

SE. Ireland shares some similarities w. Wales.
In Casadel glaciation, eustatic change betw. 60-100 ft.

Change in faunas in various levels of Ord. is v. marked.
Stop VII - 1.

Gneissy face.

Harmage Shale. (3 collections)
9-16-74-A. Late hand near base of exposure w. brachi. dry ostracodes.

9-16-74-B. Shaley late 6-ft above A.

9-16-74-C. Float.

The unconformable relation betw. Precambrian & Harmage Shale is apparently "slightly" faulted. No one could work out what structure had occurred to then put Harmage Shales in horizontal & swirled position.
Hope Boulde Village.

VIII - II. Black River Formation, acc to S. Bergstrom, is shown in this map.
9-16-74 - D. Fine shale w/ abundant biops.

VIII - III. Soundley Quarry.
9-16-74 - E. Bry. in shale in lower unit, the Soundleyan Chasueell Group.
9-16-74 - F. Bry. with phosphatized linings are found in beds near upper unit acc to Pat Brenchley. Could not find any biopores in overlying longuillian Alternata late, however, collected a sample 9-16-74 - F, hoping something may come to light when F cut it.


Step VII - 8. Unconformity (some fault slip). See fine cleavage in narrow shale band. 
Cloverdale found in Bladenever shale check that I have correct fauna.
Stop viii - 10.

Hour Ridge Grits.

Collections.

Distances (ie width) at it in 10. to dip
q-16-74-K - Float
q-16-74-H - Sliver from large block
q-16-74-M - Weathered piece from face collected by P. Brenchley
q-16-74-M - Small piece
q-16-74-M
q-16-74-D
Step 2.  
Devil's Ringle at Buildwas, Shropshire.  
Upper Llandovery. Cornulacia, small solitary corals over slope.  
Hughley Shales.  
Ash settlement dam for electric power plant.  
10 minute walk to exposure.

Coates Quarry, southwest edge of Much Wenlock, 1st of