

## Field Excursions

### So-Called 'Ankara Mélange' and accretionary Forearc basin

**Duration** : 1 Day (3 October 2001)

**Leader** : Prof.Dr. Ali Koçyiğit (METU, Turkey)

**Description** : The city of Ankara is located on a complex collision system of northern Neo-Tethyan origin. In the Ankara region, two suture zones of contrasting age, structure and origin are superimposed in a complex structural pattern. This complex zone of superimposed structures consists of Late Triassic Karakaya and Early Cenozoic İzmir-Ankara-Erzincan Sutures. The Karakaya suture is dominated by the *Karakaya Rock Assemblage*. This is a chaotic mixture of various blocks, such as high- to low-grade metamorphics, mafic to ultramafic rocks and Carboniferous to Triassic carbonates, set in a highly metamorphosed litharenitic to shaley matrix. The İzmir-Ankara-Erzincan Suture is characterized by a coloured *mélange*, termed the *Anatolian Complex* and derived from the İzmir-Ankara-Erzincan branch of the northern Neo-Tethys. It is also a chaotic tectonic mixture of various blocks of different age, origin and facies set in an intensely sheared and fine-grained matrix composed of ophiolitic sandstone, shale and pelagic mudstone of early Campanian age.

The Karakaya Rock Assemblage and the Anatolian Complex are products of different orogenies. However, they were considered as a single unit and named as so-called 'Ankara Mélange'.

Around Memlik-Orhaniye to the north of Ankara, the coloured ophiolitic *mélange* of the Anatolian Complex and its irregular sedimentary cover, namely the *Orhaniye peripheral accretionary forearc basin fill*, are well exposed. The forearc basin fill displays a stratigraphically conformable relationship with the underlying ophiolitic *mélange* of the Anatolian Complex and is dominated by a coarsening-upward sedimentary sequence composed of marine flysch at the bottom. This middle Campanian-Lower Eocene peripheral forearc sequence is full of syn-sedimentary features such as olistostromes, growth faults and slumps folds.

This excursion is organised to give participants the opportunity of a detailed examination of the coloured *mélange*, its imbricated thrust structure, and of the peripheral accretionary forearc basin fill, its facies and various syndepositional features.

**Travel information:** Assemble at METU Cultural and Convention Center in the morning of 3 October, 2001. Travel by bus. Moderate walking.

**Cost:** 30\$

**Maximum Enrolment:** 25

### Geology of Galatean Volcanic Province

**Duration** : 1 Day (3 October 2001)

**Leader** : Dr. Vedat Toprak (METU, Turkey)

**Description** : Galatean Volcanic Province (GVP) is one of the Neogene volcanic fields of Turkey located to the NW of Ankara. It extends as a belt for about 280 km in ENE-WSW direction. The formation and evolution of the GVP is attributed to the closure of the northern branch of Neotethys. The excursion will visit the western part of the province to focus on the internal structure of the GVP. Along the route the following features will be emphasized:

- (a) Regional setting, general stratigraphy, major rock units
- (b) Main eruption centers
- (c) Intra-volcanic sedimentary basins
- (d) Recent tectonism

**Travel information:** Assemble at METU Cultural and Convention Center in the morning of 3 October, 2001. Travel by bus. No walking.

**Cost:** 30\$

**Maximum Enrolment:** 25

## **Neoproterozoic ophiolites, Variscan metamorphic complexes and granites and North Anatolian Fault Zone**

**Duration** : 2 or 3 Day (4-5/6 October 2001)

**Leaders** : Prof.Dr. Ali Koçyiğit, Dr. Ayda Petek Ustaömer (others to be confirmed)

**Description** :Neoproterozoic ophiolites, Variscan metamorphic complexes and granites and North Anatolian Fault Zone, etc.. I have contact many people for this excursion (may be for three days as well). Still waiting for their reaction. Whenever I finalize it I will contact our travel agency to organize the tour and the cost. Is it possible to leave it open for the first circular....

**Cost:** 150-200\$ (not known)

**Travel Information:**

**Maximum Enrollment:** 25

## **Cultural Tours**

### **Pre-workshop:**

#### Istanbul Tour

**Duration:** 3 Days (27-29 September, 2001)

**Leader:** METU Tourism

**Cost:** \$200 per person in double; \$225 in single

**Minimum Enrollment:** 6

#### Cappadocia Tour

**Duration:** 2 Days (28-29 September, 2001)

**Leader:** METU Tourism

**Cost:** \$100 per person in double; \$125 in single

**Minimum Enrollment:** 6

### **Post-workshop:**

#### Ankara City Tour

**Duration** : 1 Day (3 October 2001)

**Leader** : METU Tourism

**Travel information:**

**Cost:** \$35

**Maximum Enrollment:** 25

#### Istanbul Tour

**Duration:** 2 Days after the 2/3-days excursion.

**Leader:** METU Tourism

**Cost:** \$200 per person in double; \$225 in single (by coach);

**Minimum Enrollment:** 6

#### Cappadocia Tour

**Duration:** 2 Days (4-5 October, 2001) OR We can have this after the 2/3-days excursion as well

**Leader:** METU Tourism

**Cost:** \$100 per person in double; \$125 in single

**Minimum Enrollment:** 6

Please also note that tailor-made tours are also possible.

## CAPPADOCIA TOUR PROGRAM

### 04 Oct. 2001 – Thursday

This morning we are going to pick you up from your Hotels and we are heading in route to Cappadocia via picturesque Salt Lake which is the second biggest in Turkey. After lunch, we will visit the underground city of Kaymakli where 1400 years ago people carved the earth down and created huge complexes in 50 meters deep to defend themselves. Thousands of early Christians lived here and concealed from persecutors in eight-story complexes of subterranean dwellings. Dinner will be served at your hotel.

### 05 Oct. 2001 – Friday

After breakfast early departure from the Hotel for touring the citadel of Uchisar to see the enchanting lunar landscape of the region : ‘moon-like’ topography of Cappadocia. We will enjoy nature where the wind and the weather have eroded the soft volcanic rock, leaving pillars, cones and “Fair Chimneys”. Then we are going to come to Goreme, with its rock chapels hollowed out by early Christians. These rock chapels were used by early Christians as secret dwellings for the purpose of protecting themselves from first by their Roman and later by their Byzantine persecutors. These secret dwellings decorated with vivid frescoes, which have withstood the corrosive effects of the time dating from the 6<sup>th</sup> to the 10<sup>th</sup> century, would be an unforgettable experience. We will also visit pottery – making village Avanos and see how pots and tiles are made out of white and red clays on the flying wheel. When we finished our program in the late afternoon, we are going to drive back to Ankara and leave you back to your Hotels.

### ALL INCLUDED

- Room with private bath or shower at the 4 star Hotel
- Open buffet breakfast at your hotel
- One buffet dinner at your hotel
- Two lunches in a local restaurant included water
- Hotel service charges, hotel tips and the portage
- Professional tour director at your service throughout the tour
- Sightseeing as described in the itinerary
- Land transportation by private air-conditioned minibus or motor coach depending on group size.

### WHAT’S NOT INCLUDED

- Beverages, alcoholic and drink in the lunches and dinner.
- Personal expenses.
- Customary tips to your guide and to your driver

#### TOUR PRICE

**Per Person in Double Room : 100.-USD**

**Single Room : 125.-USD**

## ANKARA TOUR PROGRAM

**01 Oct. 2001 – Monday / 03 Oct. 2001 - Wednesday**

Following breakfast you will be picked up from your Hotels for the city tour. After a short orientation, we are heading to the Mausoleum of Mustafa Kemal Atatürk who is the great founder of the Turkish Republic. In this spectacular complex, you are going to walk on the Lioned Road. It is opened in to the Monumental Courtyard, crowned with the Hellenistic temple shape mausoleum. Also you are going to have the chance to see the impressive guards changing.

Later, we will visit the Museum of Anatolian Civilizations (with the award of best museum Europe) There, you are going to see not only the antiques of Anatolian Land but also the master pieces of civilization of our nation's entity. The highlights of the museum are the Hittite and Frigian sections with huge monobloc sculptures and the friezes decorated and deteriorated with the ancient details.

Lunch is going to be served in a historic house that has been turned to a fancy restaurant with old traditional Ankara cookery. After lunch we are going to the oldest mosque of the city. It is located together with a very important Roman temple that is dedicated in the name of Roman Empire Augustus. When we finished our program we will leave you back to your Hotels.

<b>Tour Price Per Person : 35. – USD</b>
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### ALL INCLUDED

- ✓ Lunch at a local restaurant included water.
- ✓ Restaurant tips.
- ✓ Professional tour director at your service throughout the tour
- ✓ Sightseeing as described in the itinerary
- ✓ Land transportation by private air-conditioned minibus or motor coach depending on group size.

### WHAT'S NOT INCLUDED

- ✓ Beverages, alcoholic and hot drink in the lunch.
- ✓ Personal Expenses
- ✓ Customary tips to your guide and to your driver.

## İSTANBUL TOUR PROGRAM

### 27 Sep. 2001 – Thursday

Arrival to your Hotel that you are going to be informed about. Relax and enjoy your stay till tomorrow when you are going to be picked up for your tour.

### 28 Sep. 2001 – Friday

Following breakfast, we are heading to the old city to visit the “Hippodrome”, once upon a time 1.000.000 spectators were watching at the chariot races and the gladiator fights. Highlight of this visit is the obelisk that was built 5.000 years before in Egypt and transported to İstanbul by the Roman Empire. Then, we are going to walk Blue Mosque next to Hippodrome. This mosque is famous with its delicate blue ceramic tiles which is one of the “master pieces” of Ottoman Empires. After this, we will visit Saint Sophia church. This church – converted mosque – turned museum takes breath away with in sheer architectural size of its interior and magnificent dome. After then, we will proceed the spectacular Topkapı Palace., built on one of the seven hills of İstanbul City. This huge complex commands the views of the Marmara Sea, the Bosphorus and the Golden Horn. Lunch will be served at the Imperial Terrace of the palace with the best panoramic site of İstanbul city. Finally, we will go to the Grand Bazaar which is the most attractive shopping center and the biggest “soak” in the world with nearly 4000 shops antiques, jewelry, gold, carpets and leather wear. After we finished our program for today we are going back to our Hotel for dinner and overnight.

### 29 Sep. 2001 – Saturday

Departure from your Hotel after breakfast for visit to the aromatic Spice Bazaar, where the scents of cinnamon cloves and thyme rise from hundreds of colorful muslin bags at every store – front. Then take a look at the Süleymaniye mosque dedicated in the name of Süleyman the Magnificent who was the most famous Ottoman Sultan in his reign more than twenty country was conquered. After lunch we are going to drive to Ankara on the highway which is about 450 kilometers and takes approximately six hours. After arrival in Ankara we will leave you to your Hotels.

#### TOUR PRICE

**Per Person in Double Room : 200.-USD**

**Single Room : 225.-USD**

#### ALL INCLUDED

- Room with private bath or shower at a good 4 star Hotel.
- Two open buffet breakfast at your Hotel.
- Two open buffet dinner at your Hotel.
- Two lunches in a local restaurant included water.
- Hotel service charges, tips and portage.
- Professional tour director at your service throughout the tour.
- Sightseeing as described in the itinerary including entrance fees.

- Land transportation by private air-conditioned minibus or motor coach depending on group size.

#### WHAT'S NOT INCLUDED

- Beverages, alcoholic and drink in the lunches and dinner.
- Personal expenses.
- Customary tips to your guide and to your driver