

## TURKISH ITINERARIES: II

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Since publishing my previous *Turkish Itineraries* (Notes Roy. Bot. Gard. Edinb., xxii, 1-7: 1955), two more journeys have been made in Anatolia resulting in the collection of about 8000 numbers. Details of the routes are given below, and a map of the journeys appears opposite p. 586. Localities referred to by numbers on the map are listed on p. 586.

I am much indebted to the following bodies for generously providing grants, etc., for the long 1957 journey: the Royal Society, the University of Edinburgh (for providing a Land-Rover), the Carnegie Trust for the Universities of Scotland, the Ministry of Works, the Percy Sladen Memorial Fund, the Royal Horticultural Society and the Mount Everest Foundation. In addition, I am indebted to the staff of the British Embassy in Ankara for obtaining permission for us to collect in the eastern provinces, and to the staff of the Botany Department of Istanbul University for helping us in many ways. The debt to my long-suffering friends and co-collectors, Mr. I. C. Hedge and Mr. O. Polunin, is greater than I can say. Without them collections of this magnitude could not have been made.

### 1956

Nos. 25,000-26,138. March 17-April 21.

Accompanied by Mr. O. Polunin as co-collector. First set at British Museum; others at the Royal Botanic Gardens of Kew and Edinburgh, and at the Dept. of Botany in Ankara University.

Note: Nos. 25100B-25137B are labelled with a B to distinguish them from the series 25,100-25,137 collected in 1954 (a series of seeds and bulbs of which no wild herbarium material was taken).

#### WEST ANATOLIA (BITHYNIA—CARIA):

March 17: Excursion from Istanbul to Belgrade forest on European side of Bosphorus. March 18: Excursion from Istanbul to Üsküdar and Alem Dağ on Asiatic side of Bosphorus. March 20-24: Istanbul—Yalova—Bursa—Bigadiç—Izmir—Ephesus—Kuşadası (22)—Aydın—Çine—Yatağan—Muğla—Marmaris. March 25: Excursion from Marmaris to Emecik on road to Datça. March 26-27: Marmaris—Akcapiinar—Dereköy—Köyceğiz—Fethiye.

#### LYCIA & PAMPHYLIA:

March 27: Fethiye. March 28: Excursion to Kaya (quietly arrested). March 29-31: Fethiye—Kestep—Kalkan—Fethiye (it proved too early to use the mountain road from Kalkan to Antalya, via Elmali). April 1: Excursion from Fethiye to Elbis Dağ near Seki yayla. April 2-3: Fethiye—Muğla—Aydın—Sultanhisar—Denizli. April 4: Denizli—Çukurköy—Acipayam ovası—Yeşilova—Burdur—Antalya. April 5: Antalya. April 6:

Antalya—Kumköy—Serik—Aspendos—Antalya. April 7: Excursion from Antalya to Korkuteli and Saryer Dağ (violently arrested). April 8: Antalya—Manavgat—Akseki. April 9: Excursion from Akseki to pass above it. April 10: Akseki—Manavgat—Kara point—Alanya. April 8: Alanya promontory.

#### CILICIA & N. AMANUS:

April 12: Alanya—Gazipaşa—Anamur. April 13: Excursion from Anamur to Kaldöken Dağ. April 14–15: Anamur—Gilindire—Bozağaç—Ahirini—Gülнар—Silifke—Mersin. April 17: Mersin—Adana—Misis—Ceyhan—Haruniye. April 18: ascent of Dumanlı Dağ from Haruniye (erroneously given as "Dildil Dağ" on my labels numbered 26090–26120). April 19–21: Haruniye—Adana—Bürücek & Pozanti. Returned quickly to Ankara and Istanbul. (The last part of the journey, from April 17 onwards, was undertaken by Mr. Polunin alone.)

An account of the 1956 expedition appeared in *Journ. Roy. Hort. Soc.* lxxxii (4), 165–173 (1957).

#### 1957

Nos. 26,200–32,922. March 20–Sept. 8.

Accompanied by Mr. I. C. Hedge as co-collector. First set at the Royal Botanic Garden, Edinburgh, other sets at Kew, British Museum and Ankara University. The numbers include a few bulbs of which wild herbarium material was not taken, and numerous bryophytes collected and numbered by their habitats. The total number of gatherings will be considerably augmented when the bryophytes are worked over and their numbers split up.

#### BITHYNIA, PAPHLAGONIA, GALATIA & LYCAONIA:

March 20: Excursion to Dikmen Dağ from Ankara. March 24: Excursion from Istanbul to the islands of Burgaz Ada (Antigoni) and Heybeyli Ada (Halki). March 30–31: Istanbul—Gebze—İzmit—Bolu—Gerede—Kizilcahamam—Ankara. April 1–2: Ankara—Aksaray—Ulukışla—Pozanti.

#### CILICIA, CATAONIA & AMANUS:

April 3: Excursion from Pozanti to Bürücek near Cilician Gates. April 4: Pozanti—Külek Boğazi (Cilician Gates)—Namrun yayla—Tarsus. April 5: Excursion from Tarsus to the Tarsus river gorge between Ulaş & Şamlar. April 6–7: Tarsus—Kuyuluk—Kuzucubelen—Findikpinari—Tarsus. April 9–10: Adana. April 11–14: Adana—Kozan—Feki (April 2)—Saimbeyli and Bozoğlan Dağ, returning to Adana the same way. April 17: Adana—Ceyhan—Osmaniye—Haruniye, including an excursion to Nur Dağ above Kizildere (Misis—Ceyhan).

April 18: Haruniye—Amanus pass above Fevzipaşa—Haruniye. April 19: Climbed Dumanlı Dağ above Haruniye. April 20: Haruniye—Toprakkale—İskenderun. April 21: Excursion 10 km. N. of İskenderun. April 23: İskenderun—Belen—Soğuk Oluk. April 24: Ascent of Karlık Tepe from Soğuk Oluk. April 25: Soğuk Oluk—Belen—Antakya. April 27: St. Peters church, Antakya. April 28: Antakya—Harbiye (Daphne)—Şenköy—Yayladağı (Ordu)—Antakya.

April 30: Antakya—Kirikhan—Fevzipaşa (with excursion to Amanus pass above it)—Maraş. May 1: Excursion to hills 10 km. S. of Maraş. May 2: Ascent of Ahir Dağ above Maraş. May 3-4: Maraş—Göksun, passing Yemiş Dağ, Koyunluk Dağ and Armut Dağ. May 5: Excursion to Mehmet Bey 10 km. N. of Göksun. May 6-9: Göksun—Çardak—Elbistan (with excursion to Sardağı on April 7)—Malatya. May 10-11: Malatya—Doğanşehir—Reşadiye—Erkenek—Pazarcık—Narlı—Kara-biyikli—Gaziantep. May 12: Excursion from Gaziantep to Dülük Baba, N. of Gaziantep. May 13: Excursion from Gaziantep 30 km. S. to Kizil-hisar dere on road to Kilis; excursion to Dülük Baba.

#### MESOPOTAMIA:

May 14: Gaziantep—Nizip—Birecik—Urfa. May 16: Excursion from Urfa to Akçakale. May 18-19: Urfa—Hilvan—Siverek—N. & W. flanks of Karacadağ—Diyarbakır—Mardin. May 20-26: Excursions from Mardin:—environs of Mardin (20, 21, 25, 26); Mardin—Nusaybin (22); Mardin—Rışmil—Savur (24); Mardin—Kiziltepe (26). May 27: Mardin—Çinar—Diyarbakır. May 31: Excursion from Diyarbakır on road to Çinar.

#### EAST AND NORTH-EAST ANATOLIA:

June 1-2: Diyarbakır—Ergani—Maden—Hazar Göl—Elaziğ. June 4: Excursion from Elaziğ to Kale on Euphrates. June 5: Excursion to Hazar Göl from Elaziğ. June 6: Elaziğ—Pertek—Tunceli. June 7-8: Tunceli—Pülümür—Selepur—Tercan—Erzurum (arrested). June 12-13: Erzurum—Pasinler—Horasan—Karaargan—Yağmurlu Dağ—Sarıkamış—Selim—Kars.

June 15-16: Kars—Susuz—W. flank of Kisir Dağ—Ardahan—Yalnızçam—Ziyaret Dağ pass (Yalnızçam Dağları)—Artvin. June 19: Climbed mountain above (S.W. of) Artvin. June 21: Artvin—Çoruh gorge—Borçka—Hopa. June 22: Hopa—Murgul. June 23: Ascent of Tiryal Dağ from Murgul. June 24: Murgul—Borçka—Artvin. June 25: Artvin. June 26-30: Artvin—Ardanuç—Kütül yayla—ascent of Kordevan Dağ (June 28)—Ziyaret Dağ pass (Yalnızçam Dağları)—Ardahan—Gölebert—Haçuvan—Kars. July 3: Ascent of Kisir Dağ (igneous) from Kars. July 5: Excursion from Kars to Susuz.

July 6-7: Kars—Selim—Sarıkamış—Yağmurlu Dağ—Karaargan—Horasan—Erzurum. July 10-11: Erzurum—İlica—Tercan—Pülümür—Tunceli. July 13-14: Tunceli—Pertek—Hozat—Ovacık. July 16-19: Ascent of Munzur Dağ (limestone) from Ovacık, camping at a yayla N. of Ovacık and returning via Aksu dere. July 21: Excursion from Ovacık to Aksu dere on Munzur Dağ. July 22-23: Ovacık—Hozat—Pertek—Tunceli—Pülümür—Erzincan. July 26-28: Ascent of Keşiş Dağ (mostly igneous rock) from Cimin (near Erzincan). July 30: Excursion from Erzincan to salty plain east of town.

August 1-2: Erzincan—Kelkit—Köse—Gümüşane—Bayburt. Aug. 3-5: Bayburt—Soğanlı Dağ (igneous)—Çaykara—Of—Rize. Aug. 6: Rize—Pazar—Findikli—Hopa. Aug. 9: Murgul. Aug. 10-14: Ascent of Şavval Tepe (igneous) from Murgul, returning to Hopa. Aug. 16: Hopa—Borçka—Artvin. Aug. 18-20: Artvin—Kütül yayla (above Ardanuç)—

Ziyaret Dağ pass (Yalnızçam Dağları)—Ardahan—Haçuvan—Kars.  
 Aug. 23-24: Kars—Sarıkamış—Yağmurlu Dağ—Horasan—Erzurum.  
 Aug. 25-27: Erzurum—Erzincan—Refahiye—Suşehri—Zara—Sivas.

# CENTRAL & N.W. ANATOLIA:

Aug. 28: Sivas—Sarıışla—Gemerck—Tuzla göl—Kayseri. Aug. 29-30: Kayseri—İncesu—nearly to Develi—İncesu. Aug. 31: İncesu—Ürgüp—Göreme—Nevşehir. Aug. 31: Nevşehir—Acıgöl—Aksaray—Sultanhanı (S. of Tuz Gölü)—Aksaray. Sept. 1: Excursion from Aksaray to Tuz Gölü, via the village of Ulukışla N.W. of Aksaray. Sept. 2: Aksaray—Sereflikoçhisar—Ankara. Sept. 6-8: Ankara—Kızılcahamam—Bolu—Abant göl (Sept. 7)—İzmit—İstanbul.

## Localities numbered on map

Anamur (8)	Kütül yayla (27)
Ardanuç (28)	Kuzucubelen (10)
Artvin (29)	Manavgat (7)
Belen (15)	Marmaris (4)
Belgrade forest (1)	Murgul (30)
Bozoğlan D. (9)	Nizip (22)
Ceyhan (12)	Nur D. (11)
Dülük Baba (20)	Sardağı (19)
Dumanlı D. (14)	Şavval Tepe (32)
Ephesus (36)	Şenköy (18)
Gölebert (24)	Soğuk Oluk (16)
Haçuvan (34)	Tiryak D. (31)
Karlık Tepe (17)	Toprakkale (13)
Kaya (5)	Ulukışla (33)
Kilis (21)	Yağmurlu D. (23)
Kordevan D. (26)	Yalnızçam D. (25)
Kumköy (6)	Yalova (2)
Kuşadası (3)	Yayladağı (35)

