

Turkish Itineraries

BY

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This paper outlines my six journeys in Asiatic Turkey. The whole collection covers about 10,400 gatherings. Of these, the first set is being deposited in the Kew Herbarium; the second in Edinburgh; the third (1952 and 1954) in the British Museum. Another set (excluding 1938 and 1950) is conserved in Ankara University.

Inclusive herbarium numbers covered by each expedition are given at the head of each year's itinerary; these are followed by inclusive dates of effective collecting, and the names of the botanists who were my co-collectors. Every effort has been made to spell place names according to modern Turkish usage. Nevertheless, there are still the names of certain *yaylâs* (summer pastures), written down in the field with a very inadequate knowledge of Turkish, which may not be correctly spelt. The maps consulted were the 1:800,000 (1936) and 1:500,000 (1946), both published by the General Directorate of Maps in Turkey. The spelling used in this paper can be adopted in preference to any variants that appear on my herbarium labels.* I am much indebted to Mr J. R. Walsh (Dept. of Turkish, University of Edinburgh) for assistance in matters of orthography.

For the convenience of botanists, the journeys are paragraphed according to the regions they cover. Roman provinces, as utilised in Boissier's *Flora Orientalis*, have often been used for paragraph headings.

A map of the journeys appears opposite p. 2. Where practicable, the routes are dated. A list of the numbered localities is given on p. 2.

These expeditions, designed to result in a *Flora of Turkey*, have been financed from various sources. In this connection I am indebted to the Royal Society, The Percy Sladen Memorial Fund, Leverhulme Research Fellowships, The Carnegie Trust for the Universities of Scotland, the Godman Fund, the British Museum, the Royal Horticultural Society, and the University Botanic Garden, Cambridge, for generous grants towards the cost of the expeditions. In particular my thanks are due to the University of Edinburgh, not only for grants, but also for the use of a Land-Rover on the very successful expedition of 1954.

The journeys could not have been made without the co-operation of the Turkish Government, to which I am indebted for permission to travel freely in the eastern provinces. I should also like to thank those in the Botany Departments of Ankara and Istanbul Universities for the many ways in which they have helped me in my work.

* On my herbarium labels the localities are placed within the modern Turkish *vilâyet* (provinces). For convenience these are often divided into districts, but these do not necessarily conform to the administrative *nahiyes* (sub-districts); they are named after any town or large village easily found on a modern map. The *vilâyet* boundaries are clearly marked on the 1:2,000,000 map of Turkey by Prof. F. S. Duran, distributed by Kanaat Kitabevi, Istanbul.

LOCALITIES NUMBERED ON THE MAP

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|----------------------|---------------------|
| 1. Girdev (Eren) Dağ | 17. Göksun |
| 2. Ak Dağ | 18. Tamdere |
| 3. Oyuklu Dağ | 19. İkizdere |
| 4. Tahtalı Dağ | 20. Feke |
| 5. Cermanin Tepe | 21. Elmalı |
| 6. Karz Dağ | 22. Bozkır |
| 7. Kavuşşahap Dağ | 23. Tatvan |
| 8. Pelli Dağ | 24. Bitlis |
| 9. Artos Dağ | 25. Pınarbaşı |
| 10. Ereğ Dağ | 26. Cimil |
| 11. Bozoğlan Dağ | 27. Şebin Karahisar |
| 12. Köyceğiz | 28. Yavuzkemâl |
| 13. Denizli | 29. Gebiz |
| 14. Fethiye | 30. Çat |
| 15. Saimbeyli | 31. Balık Göl |
| 16. Başkale | 32. Hekimhan |

1938

Nos. 231—282. June 19—June 26.

CARIA, LYDIA:

From İzmir to Denizli; by bus to Baba Dağ Köy (Kadıköy). Climbed Baba Dağ on June 19—20, returning to Denizli. Climbed Honaz Dağ (ancient Cadmus) from Çukur on June 22. By train to Ödemiş. Climbed Boz Dağ (Tmolus) on June 26. Returned to İzmir.

1947

Nos. 13,000—14,873. July 5—Sept. 14.

Accompanied by Dr Kâmil Bilger as co-collector.

An account of this expedition, including a map, has been published (*J. Roy. Hort. Soc.* lxxiv, 104—116, 154—164: 1949).

Excursions from Ankara to Beynam (July 5); to Kıbrıs gorge near Kayaş (July 6); to Hacikadun valley near Keçiören (July 9); and to Dikmen Dağ (July 10).

CARIA:

By train from Ankara to Denizli. Excursion to Taş Ocağı near Denizli (July 13). By car from Denizli to Acipayam and Abbas Köy; ascent of Boz Dağ from Abass Köy on July 16, via Geyran Yayla. Returned to Denizli and went by train to Aydın, and by bus to Muğla and Köyceğiz (July 20). July 22—25: climbed the serpentine peak of Sandras Dağ from Köyceğiz (Yüksekkum), camping at Gökçe Ovası above Ağla. By bus from Köyceğiz to Fethiye.

LYCIAN TAURUS:

Climbed Baba Dağ (ancient Anticragus) from Fethiye (July 29—30), camping at Akbel Yayla above Ovacık; descended to ancient Pinari and returned to Fethiye by car. By lorry from Fethiye to Seki Yayla near



Map of Turkey showing journeys by Dr P. H. Davis. Numbered localities are named in the list on p. 2.

Düger (Aug. 2); on foot over Kara Tepe and ridge of Girdev Dağ (Eren Dağ, part of ancient Massicytus) to Girdev Gölü (Aug. 4). Climbed Girdev Dağ on Aug. 5, camping at Bel Yaylâ and making an excursion on N. side of the mountain. Descended to Yuva (Aug. 7), Kara Göl and Elmalı. By bus to Antalya.

Excursion from Antalya to Yenice Kahve and Termessus (Aug. 11). By caique from Antalya to Kemer (Aug. 14). Climbed Tahtalı Dağ (ancient Solyma) via Kesme Boğaz (Aug. 14), Kuzdere and Çukur Yaylâ (where we camped), the summit being reached on Aug. 16. Returned to Kemer, thence by caique (nearly wrecked) to Antalya.

ISAURIAN TAURUS :

By caique from Antalya to Alanya (Aug. 23), whence the Taurus was crossed on horseback. From Alanya we rode through Kızıl Alan and up the Kargı Çay valley (Aug. 25-26: Durbanas—Derince—Kozlu Dere) and through Belister, Beydan and Gönük Dere to Gözü Büyük Yaylâ between Ak Dağ and Geyik Dağ (Heldreich's Gheidagh). Climbed Ak Dağ on Aug. 28 by way of a tarn on the N. side. Passed through Han Boğaz forest to Kara Boynuz Yaylâ on W. side of Geyik Dağ, climbing the peak on Aug. 31. Descended to Eğri Göl and Söbüçimen (Sebbüçimen ?) Yaylâ at N. foot of Geyik Dağ, and rode, via Karanca Dere and Üç Pınar, to Bozkır (Sept. 2). By bus to Konya.

LYCAONIA ; BITHYNIA :

Excursions from Konya by car to Kayacık (Sept. 6) and Kaşınhan (Sept 7). By bus from Konya to Ankara, train to Istanbul, boat to Mudanya. Climbed Ulu Dağ (Bithynian Olympus) from Bursa (Sept. 12-14). Returned to Istanbul.

1949

Nos. 15,000—16,679. July 5—Sept. 10.

Accompanied by Dr Kâmil Bilger as co-collector until Aug. 8, and by Mr A. Attila until July 17. (An account of this expedition appeared in *J. Roy. Hort. Soc.* lxxvi, 54-63: 1951.)

LYCIAN TAURUS :

By train from Ankara to Burdur, via Karakuyu and Dınar (July 5); bus to Antalya. By caique from Antalya to Gönük and Kemer (July 7). Climbed Tahtalı Dağ (ancient Solyma) through Kesme Boğaz; camped at Gürleyik Yaylâ and reached the summit on July 10. Rode to Ovacık on Teke Dağ (Tekeova Dağ), and through Söğüt Cuması Yaylâ to Tepe Delen Yaylâ whence Çalbalı Dağ (Pestalozza's Bereket Dagh) was climbed on July 14; descended to Fesliken Yaylâ, Kar Çukuru Yaylâ and Çukur Ardıc Yaylâ—all on the eastern flanks of Çalbalı Dağ. Thence through Söğüt Yaylâ (near Sivri Dağ) and Çakırlar to Antalya (July 16). Excursion from Antalya to Termessus (July 19).

PISIDIA :

By road from Antalya, via the mouth of the Ak Su, to Gebiz (July 22), where horses were obtained to traverse the unbotanised country between there and Lake Beyşehir—a difficult journey. From Gebiz we ascended the Sinni (Nenni) Çay to Pınargözü Yaylâ (July 23), then rode on to Boğaz

Ağzi Yaylâ and Tozlu Çukur Yaylâ on the N. side of Bozburun Dağ, whence the mountain was climbed on July 25. Descended northwards to Kuruca Ova, Taşlı Yaylâ and Kuzdere in Kozlu Dere (July 27). From there we passed through Çimen Ova on the W. flank of Sarp Dağ (July 28), and rode on through Daribüyükü to Selköşe (July 30). From there we climbed to Oruz Gazi Yaylâ on the S. side of Dedegöl Dağ (Aug. 1); going by the cirque Anıca, we camped at Taş Oluk Yaylâ and reached the summit of Dedegöl Dağ on Aug. 3. Descended, via Çamurluk Yaylâ and Kuruca Ova, to Hoyran. By boat across the lake to Beyşehir, and by bus to Konya. Excursion by car to steppe 15 km. W. of Konya.

ISAURIAN TAURUS :

By bus from Konya to Karaman and Ermenek. Collected round Ermenek (especially near Meydan Kepeni Çeşmesi) on Aug. 13. Hired a lorry on Aug. 14 and collected in Balkusan Dere, Kamış Dere and on Oyuklu Dağ (Ghelipel Dagh, on road to Karaman), returning to Ermenek. From Ermenek I crossed the Taurus on horseback to Anamur. Forded the Göksu, reaching Sarıvadi on Aug. 15; ascended the Hamitseydi Boğaz to Beşkuyu (Aug. 16); thence to Çamurlu Yaylâ (Aug. 17) and over the Deliktaş watershed to Olucak (Aug. 18), Kükür, Sarıdanı, Ferhenk and Anamur (Aug. 19). By bus from Anamur to Silifke, via Gülnar (Aug. 20; several new species collected at breakdown points). The collection was dried in İçel (Mersin).

AMANUS :

By train from İçel to Bahçe; by cart to Haruniye, whence Düldül Dağ (previously botanised by Haradjian) was climbed on Aug. 27 from my camp at Atlık Yaylâ; descended to Haruniye through Başkonuş Yaylâ, Hüseyin Oluk Çeşmesi and Gökçayır. Returned to İçel.

CILICIAN TAURUS :

By train from İçel to Pozanti in Bolkar Dağları (Bulgar Dagh); excursion by hired lorry to Külek Boğaz (Cilician Gates; Aug. 31). Traversed Bolkar Dağları on horseback (Sept. 1-3), camping at Meydan Yaylâ (above Pozanti) and Sarı Tepe Yaylâ (above Alihoca). Took the train from Çiftehân to Konya. Excursion by taxi to Bozkır (Sept. 7).

LYCAONIA :

By taxi from Konya to Ankara, via Boz Dağ, Acıtuzgölü (Sept. 8), Cihanbeyli and Yavşan Memlehası, whence the Salt Lake (Tuz Gölü) was visited by bogie on Sept. 9.

1950

Nos. 18,167—18,515. August 16-27.

Accompanied by Dr V. H. Heywood as co-collector.

LYDIA, CARIA, PHRYGIA :

From İzmir to Ödemiş by bus, climbing Boz Dağ (ancient Tmolus) from Boz Dağ Köyü on Aug. 16; returned to İzmir. By road to Söke and Priene, whence Samsun Dağ (ancient Mykali) was climbed on Aug. 20—though to the E. of the highest peak. By train to Denizli, bus to Baba Dağ Köyü (Kadiköy); from there we climbed Baba Dağ (ancient Salbacus) from

Aug. 23-24. Returned to İzmir and went by train to Uçak, bus to Şaphane; climbed Şaphane Dağ (Aug. 27) and returned to İzmir.

1952

Nos. 18,600—21,379. June 4—Sept. 4.

Accompanied by Mr J. G. Dodds as co-collector, and from June 14—Aug. 17 by Dr Rıza Çetlik.

GALATIA, LYCAONIA, CAPPADOCIA:

Istanbul (June 4). From Ankara to Cihanbeyli by bus on June 7. Visited the Salt Lake (Tuz Gölü) on June 8, near Yavşan Memlehasi. Returned to Ankara next day. Excursion from Ankara to Hacikadun valley near Keçiören (June 11).

On June 14 we set out by bus from Ankara to Taşpınar (Prov. Niğde). Climbed Hasan Dağ (June 15-17), camping at Taşpınar Yayla on the west side of the mountain. Returned to Taşpınar, and went by bus to Niğde, making an excursion to the neighbouring Ortakayaardı valley (June 19). Bus to Nevşehir, taxi to Ürgüp through Göreme. Bus to Kayseri.

ANTI-TAURUS (CATAONIA):

By bus from Kayseri to Develi, thence by truck to Bakırdağ and by tractor to Kışge (June 28). Climbed Bakır Dağ, camping at Oluğu Yayla and Akoluk Yayla; reached the summit on June 29. Crossed the mountain and descended the metamorphic Sencan Deresi (Gürümze—Şüphandere—Belenköy) to Fekede (July 2). By lorry from Fekede to Saimbeyli (Eskihaçin).^{*} Ascent of Bozoğlan Dağ from Saimbeyli on July 7. Excursion by lorry from Saimbeyli to Göksu gorge near Himmetli (July 9). Private lorry from Saimbeyli to Yalak (July 12), passing through Doğanbeyli and Akçal. Ascent of Binboğa Dağ from Yalak (June 14-17), camping at Karlı Dere Yaylası (reached by oxen cart); from the yayla we climbed Işık Dağ (part of the Binboğa chain) and descended a ravine on the N.E. side of it. Returned to Yalak and took a lorry to Göksun. Thence we made an excursion to Hobek Dağ (S.W. of Göksun) on July 21. Bus from Göksun to Çardak. Climbed Berit Dağ from Çardak (July 25-28), going by way of Kandil Dağ and camping at Çukur Yayla on the W. side of Berit Dağ. Returned to Çardak by the Erecek valley.

By truck from Çardak to Elbistan (July 30), thence by car to Nuruhak and Kapıdere. By train to Malatya and Sivas; by bus through Zara to Şebîn Karahisar.

Scarcity of transport and of food caused us considerable trouble in the Anti-Taurus.

PONTIC TAURUS (including LAZİSTAN):

By truck from Şebîn Karahisar to Tamdere on the N. side of the Pontic watershed. Ascent of Balaban Dağları (Aug. 6-8), climbing Kılıç Tepe (or

^{*} Several villages in the Anti-Taurus have been moved to new locations, or have had their names changed. My itinerary cites these villages by their present names and positions. The name Saimbeyli has been transferred from the village which originally bore that name to Eskihaçin, several miles further south. The old Saimbeyli (Haçin) is now called Doğanbeyli. Zeyton (Zeitun, whence both Haussknecht and E. K. Balls approached Berit Dağ from the South) is now called Süleymanlı.

a neighbouring peak—the mist was extremely dense) from Avşan (?) Yaylâ. Returned to Tamdere, and went by bus to Giresun (Aug. 10). Excursion from Giresun to Yavuzkemâl and Karınca (both on the Giresun—Tamdere road) by taxi (Aug. 13–14).

By bus from Giresun to Trabzon and Rize. Collected near Rize (Aug. 20). By private bus from Rize to İkizdere (Aug. 23), through Karadere and Güneyce. Rode into Tatos Dağları from İkizdere, by way of Çağrankaya Yaylâ (Aug. 25), Haros Dağ and Başköy. Excursion from Başköy to Yetimhoca.* From Başköy we ascended to Cermanın Yaylâ, where we camped. From there Dodds climbed Verçinin Tepe on Aug. 10, and Davis Cermanın Tepe on the same date; both are granite peaks.

From Cermanın Yaylâ we descended northwards, via the flank of Baltaş Tepe, Ortaköy, Firtına Deresi (the splendid igneous gorge between Ortaköy and Çat; Sept. 2), Meydan Kobaca, Mollaveysi, Üsküt Dağ and Hemşin, reaching Pazar on Sept. 4. Returned to Istanbul by boat from Rize.

1954

Nos. 21,400—25,084. June 4—Sept. 8.

Accompanied by Mr Oleg Polunin as co-collector from June 25 till the end of the expedition.

GALATIA, PAPHLAGONIA :

While waiting for permits to visit the eastern provinces, a journey was made by taxi from Ankara to Inebolu on the Black Sea from June 6–11, by way of Kalecik, Çankırı, Ilgaz, Kastamonu and Küre. On June 8 the limestone peak of Büyük Ilgaz Dağ was climbed from the pass.

CENTRAL ANATOLIA :

On June 17 I left Ankara by Land-Rover for Lake Van. The following route was taken, and much collecting done on the way: Kırşehir (with excursion to Sife Gölü from Mucur), Kayseri, Pınarbaşı, Gürün (June 18), † Malatya, Elâziğ (June 20), Maden, Diyarbakır (June 23), Siirt, Bitlis (June 25).

S.E. ANATOLIA (KURDISTAN, ARMENIA) :

For the next week we used Tatvan—which has a relatively good hotel—as a base for excursions to the S.W. of the lake. On June 28 we climbed a spur of Karz Dağ from Kotum. Kambos Dağ was climbed from Hürmüz (S. of Bitlis) on June 31. On July 3 we drove the Land Rover into the crater of Nemrut (Nimrud) Dağ.

On July 6 we left Tatvan for Van, going by an appalling road along the south side of the lake, via Reşadiye, Pelli and Gevaş. From Pelli we climbed Pelli (Pili) Dağ (July 7), and a mountain 10 km. E.S.E. of Pelli (July 8). Van was reached next day.

Driving from Van to Gevaş on July 13, we collected on the headland west of the village, and climbed Artos Dağ from July 14–16; to do this

* The three small villages of Başköy, Yetimhoca and Paşaköy are together known as Cimil (Djimil)—an important locality of Balansa's.

† On my labels the district of Gürün is erroneously referred to the *vilâyet* of Malatya; it actually belongs to Sivas *vilâyet*.

we followed a track round the west flank of the mountain, and camped for two nights on the S. face of the peak. Returning from Gevaş to Van, we climbed the volcanic Ereğ Dağ (Mt. Varak) on July 18. On July 21 we drove to Çatak. Thence we climbed Kavuşşahap Dağ (Şahap Dağ) from July 22-24, passing near İliköy on the ascent. Returned to Van by the same road from Çatak.

On July 30 we left Van for Başkale, driving by way of Havaşor, Hoşap and Kepir Dağ. From Başkale we climbed İspiriz Dağ (July 31-Aug. 1), a peak of serpentine and marble. Leaving Başkale, we motored down the Zab gorge (Aug. 2-3) to Çölemerik,* capital of the remote Hakkâri vilâyet. Here we stayed in the school. A six-day journey was made on horseback and on foot in the magnificent Cilo Dağ *massif*, previously botanised by Nâbêlek in September 1910. Leaving Çölemerik on Aug. 6, we forded the Zab near Dezi (a dangerous business after heavy thunderstorms), and ascended the Diz Deresi to Cilo Yaylâ where we camped for three nights. (This was the route taken by Earl Percy in 1899.) From the yaylâ climbs were made to Cilo Tepe (Aug. 8), and to peaks 10 km. W. of it (Aug. 9). The region, botanically extremely rich, is infested by bears. We returned by the same route to Çölemerik on Aug. 11. On Aug. 13 we drove from Çölemerik to the E. side of Kara Dağ, and walked down to the ruined Nestorian village of Koçanis—a day's excursion. On Aug. 15 the same road was taken to Shiekh Selim Bay's yaylâ on the E. flank of Kara Dağ, and the peak was climbed the following day. Back in Çölemerik, we drove to Van via the Zab gorge and Başkale, because the road via Karz Dağ and Gürpınar (only open for two weeks each year) was still closed by late snow patches.

From Van the Land-Rover was taken by steamer to Tatvan. Thence we drove to Kotum and Kamer to climb the N. side of Karz Dağ (Aug. 25). Next day we drove from Tatvan to Adilcevaz, reaching Nurşencik by dawn the following day. From there we climbed the volcanic Süphan Dağ (Aug. 25-27), camping out by a half-frozen lake within the crater. We returned to Tatvan by the way we had come.

CENTRAL ANATOLIA, PAPHLAGONIA :

We left Tatvan on Aug. 30, and drove in 10 days to Ankara, going via the Black Sea by the following route : Muş, Genç, Bingöl, Elâziğ, Malatya, Hekimhan, Sivas, Niksar (Sept. 4), Ünye, Samsun, Balık Göl (Sept. 6), Gerze, Boyabat, Kastamonu, Ilgaz Dağ pass (Sept. 8), Çankırı, Ankara.

* Labelled "Hakkâri" on the accompanying map.