

TURKISH ITINERARIES: IV

P. H. DAVIS & B. M. G. JONES*

The following accounts are of journeys made in Turkey by M. J. E. Coode and B. M. G. Jones, and by P. H. Davis, since the publication of the last paper in this series.† They are followed by a list of the localities visited by the four expeditions of 1962, 1964, 1966 and 1967 under the leadership of J. M. Watson, and a brief summary of the work of other collectors (no doubt incomplete) who have been active in Turkey since 1966, many of whose collections have been available to us.

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A recent survey of records showed that certain areas of central and western Turkey were undercollected (see *Journ. Biol. Educ.* vol. 1:210, 1967). The expedition concentrated its efforts upon these regions.

Financial support, which is gratefully acknowledged, came from the Royal Society, the North Atlantic Treaty Organisation (Scientific Affairs Division), the Royal Horticultural Society, the Central Research Fund of the University of London, the Arnold Arboretum, the Carnegie Trust for the Universities of Scotland, and the Royal Geographical Society. We are personally indebted to the sponsors of the expedition: Professor E. J. H. Corner, F.R.S. and Dr. P. H. Davis, F.R.S.E. Our thanks are also due to Professor Hayrettin Kayaçik and Dr. Faik Yaltirik of the Forestry Faculty of Istanbul University who, besides assisting us themselves, also arranged for us to receive considerable help from the Turkish Department of Forestry in the regions visited. Dr. Davis wishes to associate himself with our thanks to these Turkish sources with regard to his 1965 and 1966 expeditions.

Numbers 52–2930 were collected in Turkey; 1–51 were collected in Europe outside Turkey; numbers after 2930 refer to collections of bulbs or seeds not accompanied by a herbarium specimen. The first set of specimens is at E; other sets are at K, A, ISTO (woody plants) and ISTF (herbs). Incomplete sets from Turkey-in-Europe (52–74 and 2823–2930) are at LIVU and the herbarium of Leicester University (LTR).

April 24: Istanbul–Kilyos–Istanbul. 26: Belgrad Forest. 28: Istanbul–Izmit–Bolu–Kizilcahamam–Ankara. 29: Ankara–Şereflî Koçhisar–Aksaray. 30: Aksaray–Ulukışla–Pozanti–Adana.

May 1: Excursion to Karataş. 2: Adana, along the bank of the R. Seyhan near its mouth and over dunes to Tuzla, and return. 3: Adana–Ceyhan–Toprakkale–Payas–Dörtöy. 4: Dörtöy–Kuzuculu–Bülke (in the Amanus

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† For Part I see Notes R.B.G. Edinb. vol. 22:1–7 (1955); II, 22:583–586 (1958); III, 25:165–169 (1964).

mountains)—Dörtyol. 5: Dörtyol area, among the villages as far S as Rabat (serpentine rock). 6: Dörtyol-İskenderun—rocky outcrop between Kirikhan and Hamam-Reyhanlı. 7: Reyhanlı-Samandağ. 8: Limestone cliffs about 5 km N of Samandağ, then to Antakya-İskenderun—Toprakkale-Ceyhan. 9: Excursion to Yumurtalık. 10: Ceyhan-Adana-Mersin-Silifke-Mut. 11: Mağras Dağ, ascending from the S side. 12: Mut-Büyükeğridağ (ascending from the road to Kirobaşı)—Mut. 13: Along the road from Mut to Karaman as far as the top of the pass. 14: Mut-Adraş Dağ (along the Ermenek road, but not ascending to the summit)—Mut. 15: Mut-Silifke. 16: Silifke-Mersin-Adana-Kadirli-Andirin (bad road for the last 20 km). 17: Andirin area. 18: Andirin towards Çokak, as far as Akifiye after which the road was impassable. 19: Andirin-Karatepe National Park-Kadirli. 20: Kadirli-Adana-Pozanti-Niğde. 21: Niğde-Nevşehir-Incesu-Kayseri. 23: Kayseri-Bünyan-Pınarbaşı—pass over Tahtalı Dağ on the road to Gürün-Pınarbaşı. 24: Limestone cliffs about 10 km N of Sarız. 25: Pınarbaşı-Boğazlıyan-Yozgat. 26: Area W of Yozgat. 28: Yozgat-Alaca-Sungurlu-Çorum. 29: Çorum-İskilip and into *Abies* forest N of Karmış. 30: Çorum-Merzifon-Çorum. (Between May 30th and June 2nd, Carl Tobey joined the expedition. The numbering continued to follow the Coode & Jones sequence, though now under the three collectors' names). 31: Çorum-Köse Dağ-Çorum.

June 1: Çorum area. 2: Çorum-Merzifon-Samsun. 4: Samsun-Amasya-Tokat-Yıldızeli. 5: Yıldızeli-Akdağmadeni. 6: Büyüknalbantdağ, ascending from the N. 7: Akdağmadeni-Yozgat-Ankara. 8: Excursion towards Çankiri. 10: Ankara-Karagöl-Ankara. 12: Ankara-Polatlı-Sivrihisar-Emirdağ. 13: Emirdağ-Çay-Afyonkarahisar-Sincanlı-Dumlupınar-Banaz-Uşak. 14: Uşak-Sivaslı-Uşak. 15: Uşak-Banaz-Murat Dağ, ascending to the summit from the S side, Uşak. 16: Uşak-Güre-Uşak. 17: Uşak-Abide-Simav. 18: Simavdağ. 19: Simav-Kiçir-Akdağ, to the summit after a devious approach (from the west?) by forestry road-Simav. 20: Simav-Demirci-Demirköprü Barajı-Salihli. 21: Salihli-Kula (bryophytes luxuriant here on black pumice)—Güre-Uşak. 22: Uşak-Dumlupınar-Kütahya-Bozüyük-Izmit-Istanbul. 30: Istanbul-Tekirdağ-Inecik-Keşan.

July 1: Keşan-marshes of the R. Meriç-Enez-Keşan. 2: W of Ipsala.

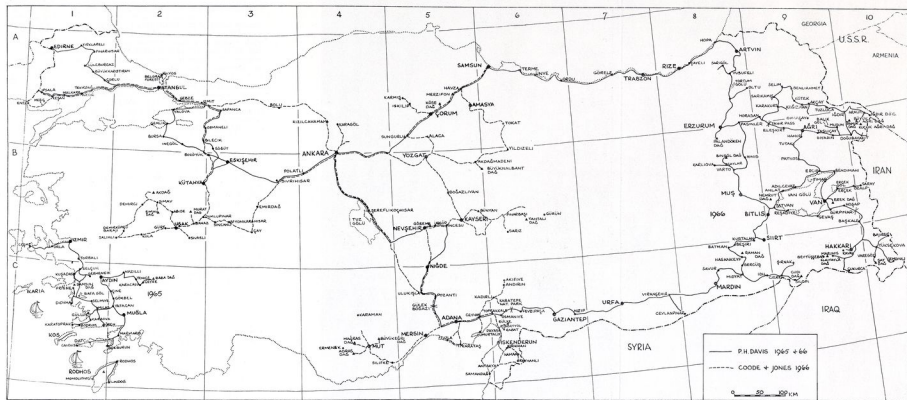
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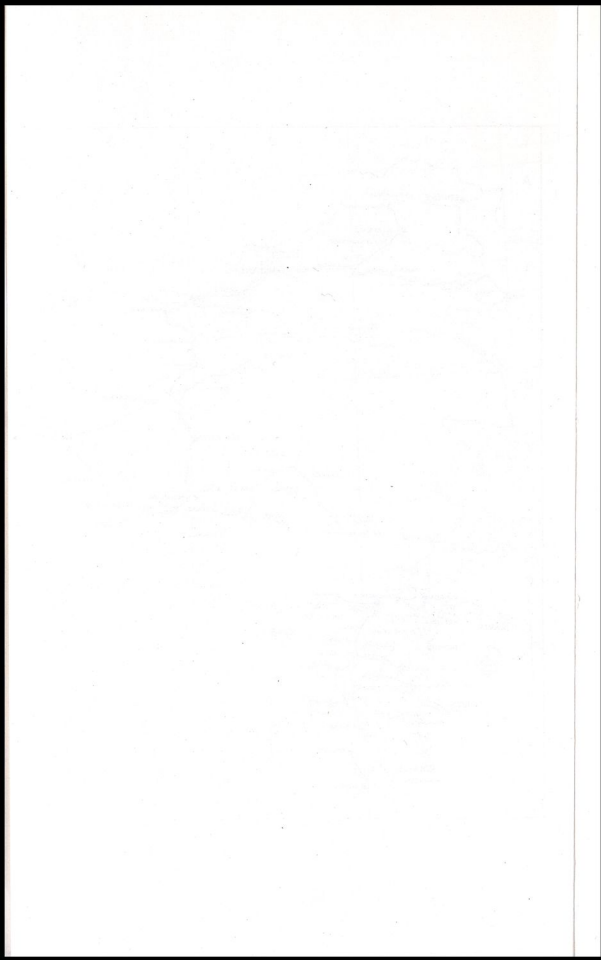
P. H. Davis, assisted by Mrs. A. Phillips, made this journey in the spring, with visits to the east Aegean Islands and the south western areas of Turkey.

Numbers 40250-40689 were collected in the islands (40465-40594 in the Cyclades, outwith the area covered by the Flora of Turkey) and numbers 40690-41863 in the provinces of İzmir, Muğla and Aydın. The first set is at E, and others deposited at K and ISTO. Financial assistance was given by the Carnegie Trust for the Universities of Scotland and the Royal Horticultural Society, to whom thanks are due.

RODHOS, March 21: Miramare beach near Rodhos. 22: Lindos above Arkhangelos. 23: Rodhos. 24: Salakos-Mt Profet Elias. 25: Monolithos-Cape Armenisti. 26: Rodhos.







Kos, March 27: Asclepieion-Kos-Asfendiou-Mt Dhikion. 28: Kos-Antimakia-Kardamena-Kephalos. 29: Kos.

IKARIA, April 2: Evdilos area. 3: Christos (Raches). 4: Ag. Kyrikos-Evdilos-Christos. 5: Xylono (above Ag. Kyrikos)-Ag. Kyrikos.

WEST ANATOLIA, April 8: Kuşadası-Torbalı-Selçuk area. 9: Priene-Miletus-Didyma-S side of Bafa Gölü-Selimiye-Milas. 10: Milas-Ören-Milas. 11: Milas-Karaova-Güllük-Bodrum. 12: Bodrum-Muşgebe-Karatoprak-Karaova-Milas. 13: Milas-Kışle (E of Milas)-Kozagac-Yatagan-Muğla-Inişdibi-Gökova-Marmaris. 14: Marmaris-Gökova-Marmaris. 15: Marmaris-Hisarönü-Söğüt-Bozburun-Marmaris. 16: Marmaris-Yarımadası nr. Emecik. 17: Reşadiye-Cumali-Cnidus-Datça port. 18: Datça bay E of Datça port-Emecik-nr. Hisarönü-Marmaris. 19: Marmaris-Gökova-Muğla. 20: Muğla-Yatagan-Gökbek-Çine-Aydin. 21: Aydın-Umurlu-Yenipazar-Nazilli-Yenice-Karacasu. 22: Karacasu-Geyre (Aphrodisias)-Baba Dağ above Seki-Karacasu. 23: Karacasu-Söke. 24: Söke-N side and foot of Samsun Dağ, above and W of Güzelçamlı-Söke. 25: Söke-Germencik-Çamlıbel (Germencik-Selçuk)-Izmir. 26: Izmir-Urula-Şifne-Çeşme-Izmir.

1966. P. H. DAVIS

P. H. Davis, assisted by Lady Dorothy Lygon, made this expedition to Eastern Anatolia in the spring and summer. It was concentrated in the provinces of Mardin, Bitlis, Hakkari, Van, Ağrı and Kars, in order to collect new material near the Syrian, Iraqi, Iranian and Soviet borders. Collections were made on the journey out through Central and the southern part of E Anatolia, and in the north of the country on the homeward route. Altogether about 6000 numbers were collected (41868-47829), the first set being at E and others at K and ISTO. Thanks are due to the following sources for expedition funds: the Royal Society, Carnegie Trust for the Universities of Scotland, University of Edinburgh, Percy Sladen Memorial Fund and Mount Everest Foundation.

April 18: Turkish/Bulgarian frontier-Edirne. 19: Edirne-Kirklareli-Pınarhisar-Lüleburgaz-Çorlu-Istanbul. 22: Gebze-Hereke-Izmit-Sapanca-Arifiye (east of Sapanca)-foot of gorge between Adapazarı and Osmaneli-Bilecik. 23: Bilecik-Eskişehir-Kütahya-Bilecik. 24: Bilecik-Söğüt-Eskişehir-Sivrihisar-Polatlı-Ankara. 29: N end of Tuz Gölü, 10-12 km NW of Serefli Koçhisar. 30: 3 km E of Ürgüp-Göreme-3-5 km S of Gülek Boğazi-Adana.

May 1: Adana-Misis-Ceyhan-Osmaniye-Nur Dağ pass-Fevzipaşa-Gaziantep-Nizip. 2: Urfa-Viraneşehir-Ceylanpınar-Viraneşehir. 5: Mardin-Savur-Midyat-Idil-Cizre. 6: Cizre. 7: Cizre-Kasık Boğazi-Şirnak. 8: Şirnak-Cizre. 9: Cizre. 10: 5 km E of Cizre on N bank of Tigris-Silopi-Hessana at S foot of Cudi Dağ. 11: Cudi Dağ above Hessana-Cizre. 13: Cizre-Idil-Midyat-Gercüş. 14: Gercüş-Hasankeyf-Raman Dağ-Batman-Besiri-Kurtalan. 16: Gorge of Botan Çay, 15 km S of Siirt. 17: 3 km S of Siirt at top of Botan Çay gorge-bridge 19 km from Siirt. 18: Siirt-Baykan-Bitlis. 19: Tatvan-Küçüksu (E of Tatvan)-Tatvan. 20: Bitlis-Sıcak Su, S flank of Nemrut Dağ-Tatvan. 21: Tatvan-Ahlat-Adilcevaz-Erciş. 22: Erciş-Patnos-Tutak-Hamur-Ağrı. 24: Ağrı-Taşlıçay-Diyadin-Doğubayazıt

—flanks of Pamuk Dağ-Iğdır. 25: Iğdır-Tuzluca-Kağızman. 26: Iğdır-Aralık-Iğdır D.Ü.C. (Aras valley). 27: Iğdır D.Ü.C.—Serdar Bulak—NE slope of Ağrı Dağ nr Serdar Bulak—W side of Küçük Ağrı Dağ. 28: Iğdır D.Ü.C. 29: 5 km E of Iğdır D.Ü.C. 30: Aralık-Iğdır-Pamuk Dağ-Doğubayazıt. 31: Rocks nr. Doğubayazıt-meteorite hole nr Iran border-Ishak Paşa palace nr Doğubayazıt.

June 1: Diyadin-Taşlıçay-Ağrı-Hamur. 2: Hamur-Tutak-Patnos-Erciş. 3: Bendimahi-Timar (Canik)-Van. 5: Van-Erçek-Özalp-Saray-Van. 6: Van-N side of Ereğ Dağ above Değirmenköy. 8: Van. 9: Van-Gurpinar-Hoşap-Başkale. 10: Başkale towards Hakkari to the junction with the Yüksekova road-Hakkari. 12: Zap gorge-Çukurca-Hakkari. 14: Zap gorge, 12 km from Hakkari to Yüksekova-Nehil Çayı, 48-55 km from Hakkari-Yüksekova. 15: Yüksekova-Şemdinli. 16: Şemdinli-Yüksekova. 18: Yüksekova-Bajırge-Yüksekova. 19-20: Hakkari. 21: Zap gorge, 8-31 km from Hakkari-Şine Dere (lower Morinos Dere), 5 km from bridge over Zap river-Morinos Dere opposite Marunis-Elkiyayla Dağ, above pass between Marunis and Beytüşşebap (CENTO road)-Hakkari. 23: Hakkari-pass between Hakkari and Kaval (Piyannis)-Hakkari. 24: Zap gorge, 2-23 km from Hakkari on road to Yüksekova-Yüksekova. 26: Yüksekova-Gevar Ovası-Varegöz. 27: Sat Dağ (Varegöz to Sat Gölü). 28: Sat Dağ, round Sat Gölü. 29: Sat Dağ-Varegöz-Yüksekova. 30: Yüksekova-15-20 km on road to Bajırge-Yüksekova.

July 1: Gevar Ovası, 2-3 km from Yüksekova. 2: Yüksekova-Nehil Çayı-Zap gorge 6 km N of Van to Hakkari/Yüksekova road junction-Başkale. 3: Başkale-Güzel Dere-Hoşap-Gurpinar. 6: Nr. Gevaş (excursion to Aktamar). 7: Gevaş-Pişvanik-Pelli Dağ pass-Reşadiye-Tatvan. 9: Tatvan-Muş-Varto-Çaylar. 10: Çaylar-SW and W side of Bingöl Dağ-Karlıova-Varto. 11: Varto-Hinis. 12: Hinis-Pasinler. 14: Horasan-Karakurt-17 km up Aras gorge towards Kağızman-Karakurt-Sarikamiş. 15: Round Sarikamiş. 16: Sarikamiş-Selim-Kötek-Kağızman. 17: Kağızman-Akçay-20 km towards Cumaçay-Kağızman. 18: Below Kağızman (Aras valley). 19: Aras valley: Kağızman-Akçay-Gaziler-Tuzluca-Iğdır-Iğdır D.Ü.C. 20: Iğdır D.Ü.C.—slopes of Büyük Ağrı Dağ and Küçük Ağrı Dağ above Serdar Bulak. 21: Aras valley SE of Iğdır D.Ü.C.—Aralık-Iğdır. 22: Pamuk Dağ, N side of pass between Iğdır and Doğubayazıt. 23: S end of Balık Gölü nr Musun-Ağrı-Eleşkirt-E side of Tahir Pass-Horasan. 24: Horasan-Erzurum. 27: Erzurum-Palandöken Dağ (20-23 km from Çat to Erzurum)-Erzurum. 28: Erzurum. 29: Erzurum-Tortum-Oltu. 30: Oltu-Tortum Gölü. 31: 5-25 km N of Tortum Gölü-Yusufeli.

August 1: Yusufeli-Sarigöl-Barhal (Hevek Dere)-Yusufeli-Artvin-Çoruh gorge-Hopa. 2: Hopa-Arhavi-Pazar-Çayeli-Rize-Trabzon-Görece. 3: Ordu-Ünye-Terme. 4: Samsun-Havza-Ankara. 6: Polatlı-Sivrihisar-Eskişehir-Pazarcık-Nazıfpaşa-Inegöl-Bursa. 7: Bursa-Gemlik. 8: Yalova-Istanbul. 9: Istanbul, Belgrad forest above Büyük Dere. 11: Tekirdağ-Malkara-Ipsala.

After leaving Turkey, numbers 47830-47896 were collected in Greece (Metsovon Ioannina-Parga) and Italy (Mt Gargano).

1962, 1964, 1966, 1967. J. M. WATSON et al.

These were primarily horticultural expeditions, but excellent herbarium material was also collected, totalling c. 3500 gatherings. The first set of specimens is at K, and other material at E. The localities are listed below under the grid references used in the Flora of Turkey.

1962. J. M. WATSON

April. A2(A): Istanbul, (Üsküdar). B1: Izmir, Manisa Dağ, Gediz Nehri, Çeşme, Izmir. C1: Büyük Menderes. B3/C3: Eğridir Gölü (Anamas Mts). C4: Mut (Taurus), Silifke. C5: Mersin, Aslanköy, Mersin, Adana. C6: Antakya, Iskenderun, across Central Turkey to Istanbul and Edirne. (cf. *Bulletin of the Alpine Garden Society*, 32: 238-251, 311-321, 1964).

1964. J. M. WATSON

A8: Kaçkar Dağ (June), Mescit Dağ (July). A9: Kisir Dağ (July). B4: Elma Dağ, Kirikkale (May).

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A4: Ilgaz Dağı (July, September). A7: Zigana geçidi (June, September). A8: Kaçkar Dağ, Mescit Dağ (September). B1: Kaz Dağ (August, September), Boz Dağ (August). B2: Şaphane Dağı, Murat Dağ (August). B3: Barla Dağ (August, October). B4: Elma Dağ, Kirikkale (March, July). B8: Halkis Dağ (May, August). B9: Kisvak Dağ, Süphan Dağ (May, August), E of Lake Van (June), Ispiriz Dağ (Güzeldere Tepe), Çakmak Dağ (June, September). C2: Honaz Dağı (August). C3: Tahtali Dağ (August). C5: Tekir Tepesi (October). C6: Belen (March, April, July), Dörtöl-Migirtepe, Kışlak (April, July), Nur Dağ (May, July, September), Barit Tepe (August). C7: Karacadağ (May). C9: Diz Deresi (September). C10: Beyaz Dağ, Şemdinli (June), Vadinasor and Seker Tepe (June, September).

1967. M. J. CHEESE, A. R. MITCHELL, J. M. WATSON

A1(A): SSW Çanakkale (April, June). A4: Ilgaz Dağı (October). A5: Koş Dağ (July). A7: Zigana Pass (October). A8: Gavur Dağ, 35 km N of Erzurum (July, August). Tortum-Erzurum (July). A9: Ardanuç, Yalnızçam Silsilesi above Şavşat, Killik Dağ (July). B1: Kaz Dağ (September), Izmir Province (April, November). B3: Barla Dağ, Sultandağ-Kiziltepe (June). B4: Kizilirmak, 15 km NW of Kirikkale, above Bala (June). B5: Nr Yozgat (April). B6: NW Darendede (August). B7: Munzur Silsilesi-Mercan Dağ, Tayran Dağ (July, August, October). B8: Murat valley-Varto to Bulanik road S of Golibaba Tepe, Hakres Dağ, Harmurpet Dağ (June), Sason Dağ, Halkis Dağ (July), Karakaya Dağ 15 km N of Hınıs (August). B9: Ala Dağ massif-Hüdavendigar Tepe (July), Ispiriz Dağ (August). C1: Provinces Aydin and Muğla (November). C2: Honaz Dağı (June, August). C2/C3/C4/C5: Coast road (November). C6: Nurdağ (April), Kizil Dağ (April, May), Karlik Tepe (May, June), Belen (January-March), Migir Tepe (October), Döldül Dağ (August, October). C7: Nr Urfa (November). C8: Nr Mardin (November). C9: Kavuşahap Dağ above Pişvanik (August). C10: Bajirge-Yüksekova, Cilo Dağ-Diz Deresi (June), Mor Dağ (June, August).

ADDITIONAL TURKISH COLLECTIONS

(mainly summarised by provinces)

- Aellen, P. 1967: Ankara, Istanbul, Çanakkale to Konya (Tuz G.), (Hb. Aellen, Basle).
- Akman, Y. 1966: S Anatolia (Amanos Da.). ANK [147 specimens seen].
- Alava, R. et al. v-vi 1966: Antalya, Aydın, Burdur, Isparta, İzmir, Manisa, etc.; vi 1968: Adıyaman, Adana, Kayseri, Kırşehir, Malatya, etc. TUR, E.
- Alpay, O. & Bozakman, I. 1960: Ağrı, Ankara, Erzurum, Gümüşane, Malatya, Tokat. ANKO, E.
- Barclay, Sir Colville vi-vii 1968: Erzurum (Mts S of Ispir). K, E.
- Bauer, K. & Spitzenberger, F. v-vi 1967: Turkey-in-Europe (mainly Edirne, Kırklareli and Istanbul. w [611 specimens].
- Baytop, A. v 1968: Ankara, Erzincan, Erzurum, Gümüşane, Kayseri, Sivas, Zonguldak. ISTF, E.
- Baytop, T. 1968: Balıkesir (Marmara Adası), Edirne, Istanbul, Kırklareli, Tekirdağ. ISTF, E.
- Berkmen, N. 1940-1942: Ankara, E [117 specimens].
- Bisby, F. A. vii 1966: Niğde (Ala Da.). OXF.
- Bocquet, G. 1966, 1967: Mostly W Anatolia. EGE, G, Z [c. 4000 specimens].
- *Crawford, E. J. 1967: Afyon, Antalya, Denizli, İzmir, İçel, etc. CPI-Australia. [114 specimens].
- Cutler, R. W. (Leeds) vii-viii 1967: Niğde (Ala Da.). E [c. 45 plants].
- Deaver, C. 1966, 1967: Adana and İçel. E.
- Demiriz, H. 1966-1968: Turkey. ISTF.
- Duncan, D. & Tait, S. viii-ix 1967: Hakkari (Yüksekova and Sat Da.). E [246 specimens].
- Eiselt, J. 1966: E Anatolia. w.
- Green, S. E. (East Anglia Expedition) viii 1968: Balıkesir (Kaz Da.), Kütahya (Simav) and Tekirdağ. BM, K, E.
- Herrn, C. P. 1965: Konya (Tuz G.) and Hatay (İskenderun). E.
- Hewitt, L. B. 1964, 1966: Kars (Büyük Ağrı Da.), [c. 200 specimens].
- Jakobsen, K. v 1966: Islands (Samos). c.
- *Katznelson, J. & Bailey, E. J. vii-viii 1967: Bingöl, Denizli, Diyarbakir, Erzincan, Erzurum, Elazığ, Istanbul, Mardin, Muş, Uşak, Van, etc. CPI-Australia.
- Lambert, N. R. K. & Thorpe, T. K. 1968: Muğla (Çal Da., etc.). K, E. [106 specimens].
- Ledingham, G. F. vii 1965: Ankara, Konya. E [c. 60 specimens].
- Mathew, Brian, Barter, D., Baker, S. & Pycraft, D. iii 1963: Ağrı (nr Mt Ararat), Bolu, Istanbul, Samsun, Trabzon (Zigana Pass). K.
- Mathew, Brian, & Tomlinson, Dr. A. J. v-vi 1965: Adana, Ağrı (Ararat), Amasya, Ankara, Bitlis, Bolu, Bursa (Ulu Dağ), Çorum, Erzurum (Palandöken Pass), Gaziantep, Gümüşane, Istanbul, Kars, Kayseri (Ercias Dağ), Maraş, Nevşehir, Niğde (Hasan Dağ, Ala Dağ), Ordu, Tokat, Trabzon (Zigana Pass), Urfa, Van. (See accounts in *Journal of the Royal Horticultural Society* 91: 334-344, 383-394, 1966, including map). K.
- Peşmen, H. 1965-1968: Aydın, Antalya, Balıkesir, Çanakkale, İzmir, Malatya, Manisa, Muğla, Tekirdağ, etc. EGE [c. 5000 specimens].
- Rix, E. M. (Cambridge Expedition). 1965: E Anatolia. K.

* cf. Plant Introduction Review, CSIRO-Australia 4(2), 1967; 5(1), 1968.

- Ross, J. G. vi 1967: Ağrı, Bitlis, Erzincan, Erzurum, Siirt, Van.
 Runemark, H., Snogerup, S. et al. 1958: Islands (Ikaria, etc.); 1962: Aydın, Islands (Rodhos, Samos, etc.). LD.
 Schultz, M. G. 1967: Turkey. E [c. 200 specimens].
 Sorger, F. 1966: Denizli, Içel, Isparta, etc.; 1967: Antalya, Eskişehir, Isparta, etc. Hb. Sorger, Linz.
 Stileman, R. vii-viii 1966: Bitlis (Süphandağ). E [c. 60 specimens].
 Tobey, C. vi 1967: Erzurum, Gümüşane, Trabzon; viii 1967: Sivas (Yıldız Dağ). E.
 Tong, M. 1966: Bitlis, etc. E [c. 520 specimens].
 Williams, L. L. Summer 1964: Adana, Maraş (Süleymanlı), etc. K.
 Winter, J. M. vii 1961, vii 1962: Ağrı, Erzurum, etc.

Collections were also made in transit through Turkey by J. Archibald (1966), J. Lamond (1965), D. Walton (1967), (specimens all at E), and by K. H. Rechinger (1965), w.

BOOK REVIEW

An agaricologist's God-send. Very rarely is a publication produced today which covers upwards of seven hundred pages of long awaited facts and is yet divorced from nomenclatorial argument and phylogenetic speculation. Such a book* has been produced for workers in the higher fungi consisting of descriptions of the type species of all agaric genera. The genera are arranged alphabetically in three groups: i) Verzeichnis der "gültigen" Gattungen; ii) Verzeichnis der synonymen Gattungen; iii) Verzeichnis der "ungültigen" bzw. incertae sedis gestellten Gattungen. The type species of each genus is clearly and accurately described both macroscopically and microscopically as fully as existing type material or substitute material allows and the original diagnosis permits. A standardised scheme has been adopted for the descriptions which allows easy comparison one genus to another; in parts i and ii the descriptions are accompanied in the main by line-drawings of fruit-body, basidia, basidiospores, cystidia and hyphae of the hymenophoral trama and pileus cuticle.

* Synopsis generum Agaricalium (Die Gattungstypen der Agaricales) by E. Horak Beiträge zur Kryptogamenflora der Schweiz, Band XIII. Webern-Bern, Kommissions-verlag Druckerei Büchler + Co AG, 1968. pp. 741, illustrated with line drawings. Price Fr. 60 (Swiss).