

REPORT ON THE FIRST-ORDER TRIANGULATION OF GREECE

by

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I.—The first-order triangulation net of Greece covers the whole territory of the country (continent and islands). The net has been determined at different periods in conformity with scientific rules and calculated with the Bessel ellipsoid as reference; the geodetic pillar of Athens Observatory was adopted as the origin of the geographical coordinates, which are shown on the annexed tabulation.

One part of the triangulation net, which forms a chain of triangles beginning at the Northern frontier and terminating at the Island of Crete and which is intended for the measurement of an arc of a meridian in accordance with the resolution carried in 1922 by the International Geodetic and Geophysical Union, was determined according to the standards recommended in higher geodesy and calculated with the international ellipsoid (Hayford) as reference, in the year 1946. This chain of triangles is the continuation of a similar chain through Yugoslavia.

On this chain, which should be considered as a fundamental net, the remainder of the net is now being adapted, a few control bases measured with the invar wire apparatus and several Laplace points being introduced in the appropriate calculations with the Hayford ellipsoid as reference in conformity with the indications of the International Geodetic and Geophysical Union.

II.—The first-order triangulation net of Greece is already connected with those of the same order passing through Yugoslavia, Bulgaria, Turkey (in Thrace) and Italy (through Albany) where the Florence Military Geographical Institute established (1941-1942) a first order triangulation net several points of which belong to the Greek triangulation net.

Moreover, the Hellenic net has been connected to the Dodecanese net determined by Italy which will shortly be suitably adapted to the Greek system after the liberation of the Dodecanese.

III.—In 1920-1922, the first-order triangulation net of Greece had been expanded over a fairly large portion of Asia-Minor territory. The annexed tabulation gives the geographical coordinates of the 1st and 2nd order points established there which also have as origin the geodetic pillar of Athens Observatory with the Bessel ellipsoid as reference.

IV.—During the last war, the Greek, Bulgarian, Turkish, Yugoslavia and Austrian triangulation systems were joined up by the British in view of the publication of charts of the Mediterranean area.

V.—Given the more than probable use of the triangulation net of Greece with modern methods of navigation, it is absolutely necessary that, on the one hand, the accuracy of the geographical coordinates of the radio stations be fixed and, on the other hand, to choose whether these coordinates should be determined by geodetic means or by means of astronomical observations.

In the first case, the distance between the stations will be more accurate because in the geodetic calculation of the geographical coordinates of a point starting from the geographical coordinates of another point, the distance between the two points is always taken as an element known with sufficient precision. On the contrary, in the second case, the determination of the geographical points depends on the direction of the vertical of each point only.

However, with reference to the second case, several Laplace points are included in the

GEOGRAPHICAL COORDINATES

OF THE POINTS OF FIRST-ORDER TRIANGULATION OF GREECE.

Calculated by the Greek Military Geographical Institute.

COORDONNEES GEOGRAPHIQUES DES POINTS DE PREMIER ORDRE

DE LA TRIANGULATION HELLENIQUE

Calculées par l'Institut géographique militaire grec

No	Name of Station (Nom des Points)	Geographical Latitude (Latitude géograph.)	Geographical Longitude (from Athens Meridian) (Longitude géograph. - Mér dien d'Athènes)	No	Name of Station (Nom des Points)	Geographical Latitude (Latitude géograph.)	Geographical Longitude (from Athens Meridian) (Longitude géograph. - Mér dien d'Athènes)	No	Name of Station (Nom des Points)	Geographical Latitude (Latitude géograph.)	Geographical Longitude (from Athens Meridian) (Longitude géograph. - Mér dien d'Athènes)
1	S. Barbara	37° 10' 26.2242	- 2° 01' 38.4501	53	Kassandra	40° 01' 14.5901	- 0° 18' 51.1589	105	Parnis	38° 10' 25.1199	- 0° 0' 3.6251
2	S. George	39 36 11.4070	- 3 55 48.7785	54	Kassidiaris	39 13 03.6663	- 1 18 43.2003	106	Parnon	37 16 37.1162	- 1 6 19.2916
3	S. Deka	39 32 56.2698	- 3 50 16.0584	55	Katachloron	39 10 00.2073	- 1 38 59.2240	107	Patara	38 5 42.0483	- 0 21 54.8277
4	S. Efstratios	39 31 30.6671	+ 1 18 40.4079	56	Keratea	37 47 24.2429	+ 0 15 05.7377	108	Peloneon	38 33 20.1271	+ 2 17 12.5203
5	S. Ilias (Levidi)	37 38 33.7892	- 1 26 17.9573	57	Keos	37 37 14.1979	+ 0 38 17.9354	109	Pentelikon	38 4 50.0037	+ 0 9 51.6300
6	Athos	40 09 26.7604	+ 0 36 32.6112	58	Kitheron	38 10 59.6195	- 0 28 08.7449	110	Peristeri	39 40 59.2136	- 2 35 43.7000
7	Egina	37 41 59.1934	- 0 13 20.6238	59	Kirets	41 20 21.5393	+ 2 36 13.2348	111	Peristeri Serbie	41 0 9.5214	- 2 32 32.7855
8	Enos	38 08 07.9628	- 3 02 50.5471	60	Klissi	38 09 33.4433	+ 0 33 41.2569	112	Petali	38 59 50.2050	+ 0 32 15.1649
9	Ali Boutous	41 22 34.8161	- 0 05 51.5400	61	Knimis	38 45 3 34.35	- 0 54 42.8112	113	Pierria	40 12 57.4998	- 1 35 00.3756
10	Amorgos	36 54 18.2889	+ 2 18 30.6821	62	Kojakas	38 32 47.4818	- 2 10 57.7624	114	Pilion	39 24 8.0129	- 0 40 44.9278
11	Andros	37 51 02.0316	+ 1 08 32.4224	63	Koula	41 21 33.5812	+ 1 08 59.0506	115	Porcia	41 09 31.5773	- 1 30 32.9599
12	Antinitza	39 00 03.8088	- 1 18 18.8900	64	Koutalaris	38 19 11.5908	- 2 34 0 6.992	116	Poglet (Paicon)	40 57 18.9017	- 1 23 4.5522
13	Antiparos	36 59 38.9737	+ 1 19 41.8639	65	Kratsouon	39 48 25.4055	- 2 18 26.7304	117	Paara	38 35 22.8006	+ 1 52 08.6731
14	Araheon	37 38 23.5944	- 0 44 56.3931	66	Krithinon	36 28 30.7048	- 0 35 45.4500	118	Saguis	36 36 43.9460	- 1 17 22.8317
15	Artemision	37 37 07.8312	- 1 12 12.4162	67	Ktypas	38 27 49.5324	- 0 13 48.8250	119	Salamis	37 55 10.2499	- 0 12 41.1560
16	Vallessinicon	37 42 12.1156	- 1 41 40.6299	68	Kyllini	37 56 17.0707	- 1 19 20.6462	120	Samos	37 43 40.1069	+ 2 54 16.2076
17	Valtsa	38 00 30.8499	- 1 04 31.2901	69	Kyra Panagia	39 19 33.9701	+ 0 21 37.4209	121	Saratji	39 18 36.1934	- 1 2 53.3527
18	Varnava	38 14 57.3857	+ 0 13 24.6018	70	Lepetymnos	39 20 38.7665	+ 2 32 56.9468	122	Sori Bair	41 21 37.1844	+ 2 53 01.0694
19	Velvina	37 28 05.9916	+ 0 12 32.1872	71	Lefka Ori	35 14 45.7918	+ 0 20 11.2217	123	Seryphos	37 10 18.0316	+ 0 46 9.9024
20	Velopoula	36 54 55.9230	- 0 15 27.7274	72	Limpranovo	40 28 48.8028	+ 1 11 24.5420	124	Siniatsikon	40 24 18.5506	- 2 9 44.8788
21	Vernion	40 38 49.6069	- 1 47 11.9183	73	Limnos	39 53 43.4192	+ 1 24 41.1400	125	Skona	37 51 24.223	- 0 52 14.1526
22	Vernion	40 38 54.8324	- 2 20 00.0569	74	Loutjikioi	40 52 36.5511	+ 2 21 14.3806	126	Scopelos	39 8 44.767	- 0 3 04.460
23	Vourgon	40 10 31.4267	- 2 02 45.6719	75	Lyhodimon	36 55 39.2072	- 1 51 36.0851	127	Skyros	38 49 34.6822	+ 0 53 25.3039
24	Voutsikaki	39 16 46.2588	- 2 05 17.0690	76	Makryoplagi	38 1 9 54.2	- 0 35 11.8353	128	Smolkas	40 5 17.9024	- 2 47 36.0836
25	Vrachionas	37 48 48.1671	- 3 00 34.2203	77	Malevos	37 10 12.5513	- 1 27 59.2794	129	Strofades	37 14 56.2050	- 2 42 14.5782
26	Gabrouen	39 08 28.6338	- 2 23 01.9731	78	Maronia	40 53 41.6393	+ 1 49 33.5911	130	Syros	37 27 34.0993	+ 1 12 19.0620
27	Gemitjikioi	40 58 16.4111	+ 2 36 31.2001	79	Maurovouni	39 37 2.8018	- 0 56 24.8938	131	Taygetos	36 57 6.9845	- 1 22 5.2203
28	Gerakououni	39 01 03.0008	- 1 00 31.2007	80	Megalo-Vouno	38 10 16.0269	- 0 9 29.9277	132	Tetragi	37 22 35.0976	- 1 45 47.5089
29	Guiona	38 38 46.3817	- 1 27 57.4827	81	> >	37 46 28.0117	- 1 6 9 4.976	133	Tjami	41 18 27.6693	+ 2 9 35.9788
30	Godaman	39 54 38.9890	- 1 19 84.2550	82	Milos	36 40 30.8784	- 0 39 53.5765	134	Tjoumerka	39 25 44.4434	- 2 34 14.9736
31	Grammos	40 20 50.4394	- 2 36 20.4400	83	Makra Rachi	39 10 53.8944	- 0 26 48.1127	135	Touba Al/Lis (Thraki)	40 50 50.5993	+ 2 11 7.1412
32	Demir Kapou	41 19 114.274	- 0 35 51.6446	84	Mykonos	37 29 8.3994	+ 1 36 55.4497	136	Trachones	38 10 22.3487	+ 2 16 9.8581
33	Diaporja	37 49 22.3654	- 0 27 18.8018	85	Naxos	37 1 45.8644	+ 0 47 3.9850	137	Triguia	39 37 57.6785	- 2 18 27.6693
34	Didymi	37 28 37.0420	- 0 30 02.0346	86	Neon Triethnes	41 20 20.6217	- 0 50 28.1663	138	Tymphristos	38 56 33.8798	- 1 53 38.9611
35	Dikti	35 07 00.6255	+ 1 46 45.9992	87	Nioz Tepe	41 42 30.9273	+ 2 21 17.6130	139	Ydra	37 19 37.9128	- 0 15 32.7907
36	Dirphys	38 37 32.4573	+ 0 07 22.4015	88	Xiron Gros	38 51 44.9384	- 0 24 23.9957	140	Ymittos	37 56 42.8708	+ 0 5 45.3413
37	Dogatzi	39 25 16.3923	- 1 27 31.8320	89	Othoni	39 50 35.4606	- 4 19 53.7449	141	Ypsili Koryphi	38 45 25.8234	- 2 43 26.5068
38	Douroutsi	39 33 01.6152	- 1 32 27.2569	90	Oclonia	38 31 35.7928	+ 0 27 43.8493	142	Hassampaliotiko	39 41 22.8707	- 1 10 44.8086
39	Erymanthos	37 59 14.2404	- 1 53 02.0806	91	Olymbos	40 4 52.7926	- 1 22 7.0120	143	Hionououni	36 57 18.7575	- 0 46 56.0423
40	Exogi	38 28 02.9108	- 3 05 33.9938	92	Olymbos (Lesbos)	39 04 17.5408	+ 2 38 07.9834	144	Hteymousti	37 53 21.6928	- 2 34 36.4373
41	Thassos	40 42 09.3420	+ 0 59 14.7558	93	Oxya	39 45 47.7824	+ 1 46 56.7457	145	Hlomon I	38 35 52.0104	- 0 43 2.9980
42	Thira	36 22 03.0929	+ 1 44 45.3440	94	Oros Minthis	37 29 32.1454	- 1 57 4.8123	146	Hlomon II	39 5 8.3373	- 0 46 24.9628
43	Idi	35 13 30.6034	+ 1 03 10.2091	95	Ossa	39 47 41.5365	- 1 1 59.4212	147	Hortiatis	40 34 51.6908	- 0 36 6.6481
44	Ikarja	37 32 22.8873	+ 2 20 07.1898	96	Ochi	38 3 32.5380	+ 0 44 54.8190	148	El Tepe	41 45 59.9710	- 0 19 09.9948
45	Ithomi	37 11 04.2472	- 1 47 29.9684	97	Pagueon	40 54 49.1299	+ 0 22 17.0524	149	Hassan Bakalar	41 42 32.8815	+ 1 50 21.5547
46	Kaimaktsalan	40 55 49.2548	- 1 55 52.8228	98	Paleokastron	39 24 58.1806	- 1 8 53.9476	150	Karlik	41 37 53.3042	+ 0 40 26.6187
47	Kain Tsal	41 31 21.8328	+ 0 34 29.8655	99	Paliououna	38 17 53.2422	- 0 50 13.0734	151	Kourt Kale	41 42 55.8209	+ 2 18 38.1069
48	Kallidromon	38 44 12.5213	- 1 08 52.6257	100	Panetolikon	38 41 28.7403	- 1 8 36.6222	152	Orkedon Dag	41 26 34.0793	+ 1 45 50.1614
49	Kantreva	37 25 12.3840	- 1 28 01.0697	101	Panochlikon	38 11 44.6828	- 1 50 50.8953	153	Petrovitza	41 26 14.4107	+ 1 14 20.1690
50	Kara Gourmin	41 02 36.6464	+ 2 10 13.6013	102	Pantokrator	39 44 43.7917	- 3 50 46.2920	154	Siltke	41 53 42.1456	+ 0 18 11.1430
51	Kartal Tepe	41 35 38.0889	+ 2 43 59.4600	103	Paxi	39 12 12.1830	- 3 33 18.4148	155	Anafi		
52	Kartal Dag	41 13 08.1354	+ 1 35 19.6194	104	Parnassos	38 32 2.9547	- 1 5 44.3010	156	Samothraki		

N. B.

Note: Nos 148 to 154 are Bulgarian Stations.
Coordinates of stations Nos 155, 156 are not presently available.Remarque: Les numéros 148 à 154 sont des stations bulgares.
Les coordonnées des points 155, 156 ne sont pas présente-
ment disponibles.

TABLE II.

TABLE OF THE GEOGRAPHICAL COORDINATES
OF 1st AND 2nd ORDER TRIANGULATION STATIONS OF ASIA MINOR.

Carried out by the Greek Military Geographical Institute during the years 1919-1921.

Name of Station (Nom des points)	Latitude	Longitude Athens Meridian (Longitude Mérïdien d'Athènes)	Name of Station (Nom des points)	Latitude	Longitude Athens Meridian (Longitude Mérïdien d'Athènes)	Name of Station (Nom des points)	Latitude	Longitude Athens Meridian (Longitude Mérïdien d'Athènes)
Ala-Oua	39° 29' 36" 8083	+3° 54' 7" 0614	Kydia	40° 45' 59" 7333	+4° 50' 15" 4998	Pindaros I	39° 23' 18" 3119	+3° 39' 19" 9843
Alaman-Dag	38 2 40 8364	+3 40 34 2688	Karatja-Ali	40 28 36 6048	+5 20 32 5461	Panormos	40 19 50 9661	+4 6 54 1895
Acura ou Bic-Dag	38 6 59 7826	+4 47 37 9846	Kouyouk-Tepé	38 30 43 8546	+4 49 5 5586	Proussa	40 11 8 5158	+5 18 39 1588
Terme Est(Base de Proussa)	40 13 57 4901	+5 19 9 0616	Kisla-Dag	38 29 24 5503	+8 27 5 6987	Pelladarion	40 20 17 1207	+5 17 57 2574
Asman-Dag	39 12 21 8872	+3 9 1 0968	Kiritjali-Dag	38 14 45 9080	+5 8 20 7052	Palkaboli-Dag	38 1 32 7372	+4 28 58 6510
Ak-Dag	39 2 47 8167	+5 33 20 0745	Kinjil-Dag	38 46 57 7995	+5 40 58 6700	Platianos	40 15 43 3970	+5 17 24 3447
Vigla	40 42 4 6105	+5 2 48 6683	Képès-Dag	39 3 47 4040	+4 34 3 6514	Panisa	38 37 4 3437	+3 12 26 7745
Gio	38 52 32 8214	+4 16 8 9007	Kastro	38 24 48 9234	+3 25 46 1335	Pindaros	39 21 44 8534	+3 30 8 2930
Joud-dag	38 55 52 5556	+3 32 46 0379	Kastraki	38 25 00 3936	+3 17 59 8724	Paraga	38 31 27 1527	+3 18 44 0260
Yailatjik	39 18 54 5158	+3 19 15 4556	Kalerga	39 2 56 2342	+3 20 22 5974	Prion	37 55 10 5598	+3 42 16 6050
Yefthre	39 8 56 0601	+3 21 12 2313	Kouyouctjak	38 43 46 6190	+4 16 46 6676	Samos	37 43 40 1069	+2 54 16 2075
Guiok-Tépé	39 38 55 8567	+3 37 14 8479	Karlik	38 22 16 1639	+3 58 58 2886	Sipyron I	38 33 58 8147	+3 44 14 5542
Yeni-Klot	39 48 14 9481	+4 15 57 2008	Kagal-Dag	38 20 22 8534	+4 29 34 4582	Sipyron II	38 31 55 8838	+3 45 2 6870
Guios-Dedé	40 9 31 6524	+5 32 42 8524	Kentik	38 27 57 5112	+3 58 38 8403	Sedan-Dag	39 7 40 5090	+4 24 2 7772
Guioubek	38 23 30 4456	+5 31 3 9854	Kaplatji-Dag	38 6 44 1808	+3 35 28 8391	Sivri-Dag	39 15 37 6296	+4 00 9 7834
Gourgour-Dag	38 11 49 9378	+3 41 3 3482	Kartal-Dag	37 59 53 2607	+3 49 5 2932	Sobei	39 29 21 6396	+3 29 51 5518
Yanapa	38 59 17 3623	+4 29 31 6404	Kavakli	37 54 5 6839	+4 9 47 8245	Somakli-Dag	38 55 14 3950	+4 41 17 6990
Yatji-Dag	38 51 14 3634	+5 8 3 9885	Myconos	37 29 8 3394	+1 36 55 4497	Simav-Dag	39 4 48 3268	+5 4 52 4087
Yordan	40 11 47 5635	+3 59 58 2622	Mimas	38 32 47 8800	+2 47 11 2378	Sokioun	39 9 5 1788	+4 11 16 9590
Yarine-Dag	39 28 6 2126	+3 23 28 4579	Macronissos	38 30 59 0997	+2 59 55 8972	Sari-Kailla	38 46 22 5849	+4 11 59 2208
Yaila-Dag	38 55 58 1827	+3 42 13 2905	Maurovouni	38 51 44 8477	+3 50 59 9994	Soucrana	38 29 14 3863	+5 42 47 5560
Yidokastro	38 1 25 1832	+4 42 15 5040	Moshonissos	39 20 32 1070	+2 55 27 9455	Sinerli	38 35 58 8685	+3 57 30 7171
Gour-Tas	37 58 24 4976	+3 43 31 6347	Michalitsi	40 15 46 0102	+4 36 51 6177	Solmissos	37 54 2 2948	+3 37 24 9608
Drakon	38 20 44 0115	+3 47 11 7075	Moudania	40 21 14 0032	+5 6 10 3207	Sorkoun	38 53 3 3518	+5 21 23 8459
Didymos	38 55 56 6728	+5 59 32 4568	Memourt-Dag	38 55 35 1981	+3 42 12 8644	Tsinar-Oua	38 38 00 4750	+4 2 24 4378
Terme Ouest(Base de Proussa)	40 13 28 9862	+5 16 51 8447	Boz-Tepé	38 36 10 0955	+5 46 19 9396	Tmolos I ou Boz-Dag I	38 19 22 7423	+4 23 2 5506
Terme Ouest(Base de Menemeni)	38 29 35 8336	+3 15 44 8946	Mal-Tepé	38 13 4 8146	+4 3 33 8655	Tourkman	39 26 20 7597	+4 14 44 2478
Doga	40 10 14 8591	+4 24 1 4320	Boz-Dag I	38 19 22 7423	+4 23 2 5306	Tsatal-Dag	39 51 49 8736	+4 36 27 3373
Enas-Dag	39 3 52 4440	+3 51 20 1008	Messogis	37 57 6 7862	+4 10 51 3774	Tmolos II	38 15 29 7062	+4 45 16 5700
Elma-Dag	38 46 00 3222	+5 46 19 6741	Monastirion	38 35 23 9309	+3 36 50 7531	Tsatal-Dag	38 38 29 7048	+5 15 56 7640
Ecmensise	38 29 40 3838	+3 46 33 9445	Mimas II	38 33 19 4663	+2 46 49 1898	Tsal-Dag	38 22 19 5746	+5 46 19 7410
Ikarla	37 32 22 9873	+2 20 7 1898	Mehmetli-Dag	38 10 32 3973	+5 00 50 0850	Tsomna	40 13 33 7700	+4 23 20 4915
Idi	39 41 25 5911	+3 9 23 6632	Dédé-Dag	38 33 6 8476	+3 26 21 1452	Tarhanla-Dag	39 8 12 2962	+3 51 48 1449
Irkout-Tépé	39 47 41 2290	+4 00 18 4972	Doumanli-Dag	38 42 38 8832	+3 23 11 0492	Tserkez	38 44 49 5038	+3 44 9 6433
Intetjik	38 35 42 0405	+5 33 31 2029	Nympheon	38 23 14 1995	+3 38 19 4948	Tsaous-Dag	38 15 55 3724	+4 41 56 4689
Korycos	38 11 54 2589	+2 52 5 6323	Dobek-Dag	38 39 41 0258	+4 29 45 3442	Ypsili-Koryphi	37 50 43 4156	+3 00 14 5726
Kijil-Dag	38 19 52 5736	+3 16 41 8480	Diskarya	40 16 17 3456	+5 30 17 4574	Phokea	38 43 17 3264	+3 8 10 9358
Karatja-Dag	38 3 47 8393	+3 22 24 4630	Dergen-Didi	38 37 55 7964	+4 54 11 8663	Hatji-Pagona	40 5 00 1612	+4 10 51 3682
Kijil-Tépé	38 47 37 4701	+3 40 46 3393	Darouassi	38 24 45 8663	+4 11 24 8593	Larissa (Meandros)	38 7 24 1230	+3 57 52 2436
Kol-Deré	38 40 10 0935	+3 58 1 4643	Ouatjik	38 20 41 9302	+3 55 18 1166	Lophos Giannopoulos	38 34 23 3747	+4 14 2 9775
Kara-Dag (Dikeli)	38 58 5 5780	+3 8 28 6964	Omer-Baba	38 25 39 0315	+5 5 33 9060	Tourkmen	39 5 40 4975	+4 49 6 4310
Kel-Dag	39 57 38 5793	+4 19 41 5495	Ouyouk-Tepé	37 53 42 0006	+3 55 21 8830	Terme Est(Base de Menemeni)	38 29 29 9523	+3 19 54 3783
Kalaitjilar	39 42 00 5061	+4 5 20 5236	Pelineon	38 33 20 7270	+2 17 12 5203			
Kermasti	40 3 31 7291	+4 34 47 3480	Pergamos	39 7 55 4252	+3 27 59 4262			

TABLEAU II

TABLEAU DES COORDONNÉES GÉOGRAPHIQUES DES STATIONS DE TRIANGULATION
DE PREMIER ET DEUXIÈME ORDRE DE L'ASIE MINEURE

Effectuées par l'Institut Géographique militaire hellénique pendant les années 1919 à 1921

Greek net the coordinates of which, astronomically determined, are shown in the annexed list. These points may be used for the installation of radio stations if their location is suitable, seeing that the accuracy of their coordinates is quite satisfactory.

VI.—Utilisation of the geodetic nets of Greece and North-East Africa for modern navigation is likely to necessitate the solution of the problem of connecting the Crete and African systems.

For the purposes of this connection there exist a fairly large number of Greek and foreign proposals; one of the Greek proposals has been approved by the International Congress of the International Geodetic and Geophysical Union which met at Stockholm in 1930. However, this proposal requiring considerable working facilities or special instruments and a very large expenditure, it was not applied.

Another proposal, emanating from Yugoslavia and considered very interesting by the General Assembly of the above-mentioned Union held at Lisbon in 1933, has not been carried out for lack of the necessary means.

As the Americans recently solved a similar problem (extension of the triangulation net to the Bahama Islands) in a very satisfactory way, it would be practical to apply the new method then used for obtaining the geodetic connection between Crete and Africa (*).

Greece, having a large interest in the realisation of this project and of the measurement of the arc of the meridian, would be ready to bring her contribution by *every* means within her power.

Having unfortunately been despoiled of her technical and scientific equipment by the Germans, she would nevertheless be ready to make her technical personnel available for any such undertaking.

TABLE III

GREEK MILITARY GEOGRAPHICAL INSTITUTE

List of Geographical coordinates of astronomically determined points of the trigonometrical net

N ^o	NAME OF STATION	LATITUDE	LONGITUDE
1	Pilier géodésique de l'Observatoire d'Athènes	37°58'18" 6.800	23°42'58" 8.150
2	Terme Sud de la base de Corfou.....	39°37'12" 2.750	19°47'26" 8.500
3	Terme N. W. de la base de Larissa...	39°37'12" 5.245	22°27'30" 8.850
4	Terme Sud de la base de Drama.....	41°03'53" 5.460	24°03'43" 0.920
5	Terme Sud de la base de Crète.....	35°05'11" 1.700	25°49'29" 8.425
6	Kartal Iepé (Adrinople).....	41°35'41" 3.325	26°27'09" 4.500



(*) Commander R. W. Knox (U.S. Coast and Geodetic Survey) has kindly sent us details of another method which is considered more suitable for the solution of the question.