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1 October 1930

PALESTINE

Report on

Immigration, Land Settlement and Development.

By

SIR JOHN HOPE SIMPSON, C.I.E.

1930

Presented by the Secretary of State for the Colonies to

Parliament by Command of His Majesty.

October, 1930

LONDON:

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased directly from H.M. STATIONERY OFFICE at the following Addresses.

Adastral House, Kingsway, London, W.C.a; 120, George Street, Edinburgh;

York Street, Manchester; I, St. Andrew's Crescent, Cardiff;

15, Donegall Square West, Belfast,

or through any Bookseller.

1930.

Price 3s. Od. net.

Cmd. 3686.

To The Secretary of State for the Colonies,

MY LORD

In accordance with Your Lordship's instructions I proceeded to

Palestine in order to examine on the spot the questions of immigration, land settlement and development on which you desired that I should report.

I reached Jerusalem on 20th May, 1930, and at once commenced my enquiry. I was in constant consultation with the High Commissioner, who was thereafter kept in touch with the enquiry as it proceeded.

2. Much information has been obtained from official sources, and, in addition, both Arab and Jewish authorities and organisations have been consulted. Material has been obtained from the most varied sources, and has often been volunteered. In addition, as many tracts and villages of Palestine have been visited as the time available permitted. On Map No. 1, attached to the Report, both the tours and inspection of the villages visited are marked.*

3. In addition to local enquiry in Palestine itself a visit was paid to TransJordan, where the British Resident, LieutenantColonel C. H. F. Cox, C.M.G., D.S.O., very kindly arranged a tour throughout the northern part of the territory. His Highness the Emir of TransJordan also accorded to me the favour of an interview.

4. I desire to acknowledge invaluable assistance received in many quarters. The High Commissioner, Sir John Chancellor, G.C.M.G., G.C.V.O., D.S.O., and Sir Spenser Davis.. C.M.G., Officer Administering the Government after the departure of Sir John Chancellor, afforded me every possible help, and in consultation the benefit of their knowledge and experience. I had access to the records of all Departments of the Government. The enquiry inevitably entailed upon them heavy additional work, and I express my sense of the obligation under which the Heads and staffs of those Departments have placed me by the information which they collected and supplied.

The Supreme Moslem Council and the Arab Executive gave valued aid in the enquiry. Specially I am indebted to Jamal Effendi Husseini, who accompanied me on tours in some of the Arab villages.

The Jewish Agency supplied a very large amount of information on every subject investigated. I record my gratitude specially to Dr. Kuppin, whose aid was invaluable, and to Mr. Victor Konn, of the P.I.C.A. These gentlemen arranged my tours through the Jewish settlements.

* See Note on page 3.

Dr. Wilkansky, of the Agricultural Experimental Station at TelAviv, not only placed his large technical knowledge of agricultural matters at my disposal and accompanied me on some of my tours, but has placed me under a particular obligation by allowing me to use the proofsheets of his book, which is about to

appear, on " The Fellah's Farm ".

Air Commodore Playfair, M.C., very kindly arranged for an aerial test survey of the Hill Districts for the purposes of my enquiry. It has been a deciding element in the conclusions which have been reached. To him and the members of the Air Force who carried out the survey, my very sincere thanks are due.

Special recognition is also due to Mr. C. H. Ley, O.B.E., Director of Surveys, and his staff, who not only did a large amount of work in determining the areas but also prepared special maps which are attached to this report.

It is impossible to acknowledge in detail the innumerable sources from which help was drawn. It may be said generally that all concerned united to make my enquiry as complete as was possible in the time at my disposal.

I acknowledge with thanks the courtesy of the " Geographical Review", published by the American Geographical Society of New York, and of Dr. Strahorn, in generously permitting me to use the soil map appended as Map No. 4* to the report.

Finally, I desire to record my deep obligation to Mr. Maurice C. Bennett, who served throughout as my secretary and accompanied me to Athens, where the report was written, and to Mr. C. L. Horton, my assistant secretary. Had it not been for the devoted service and untiring labours of these two gentlemen, the report could not possibly have been prepared by this date.

I now forward for your Lordship's information the Report on the matters included in the terms of reference.

I have, etc.,

J. HOPE SIMPSON. 22nd August, 1930.

NOTE. The maps referred to in this Report, with the exception of No. 3 (not reproduced), will be published later in the form of an Appendix to this Command Paper.

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GLOSSARY.

Arab Executive	Moslem and Christian body
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	representing the Arabs of Palestine.
Supreme Moslem Council	Directs the religious affairs of the Moslems of Palestine.
Fellah	Arab peasant cultivator.
Effendi	Arab landlord.
Mesha'a	Unpartitioned land in customary joint ownership.
Jewish Agency for Palestine	Body directing the affairs of the Jewish National Home, and formed for the purpose of advising and cooperating with the Administration of Palestine.
Executive of the Jewish Agency	Carries out the current executive business of the Agency, with offices in Jerusalem and London.
KerenKayemeth	Jewish National Fund (J.N.F.) The medium of the Agency for purchasing and holding land.
Waad Leumi	Palestine Foundation Fund. The main colonization instrument of the Agency.
	National Council of the Jews of Palestine.
Agudath Israel	The representative body of Orthodox Jewry.
P.I.C.A.	Palestine Jewish Colonization Association.
P.L.D.C.	Palestine Land Development Company.
Histadruth	General Federation of Jewish Labour.
Tnuvah	Jewish Cooperative selling agency for agricultural produce.

Chalutz	Chalutzim (p.m.) Chalutzot (p.f) Pioneer.
Kvutzoth	Kvutza (pi.) Communal settlements.
Kushan	Title Deed.

TABLE OF EQUIVALENTS.

Exchange.

Palestine Pound (LP)	= Pound Sterling (£). = 1,000 mils. = 97 1/2 Egyptian Piastres (Pt) or 975 milliemes (mm).
Pound Egyptian	= 1,000 milliemes (mm) or 100 Piastres (Pt). = Lp 1.02564.

Measures.

Standard or metric dunam	= 1,000 square metres. = 1/4 acre. = .000386 square mile.
Turkish or old dunam	= 919.3 square metres.
Acre	= 0.40 hectares = 4 metric dunams
Square Mile	= 2.590 metric dunams.
Mile	= 1.60 kilometres.
Kilometre	= 0.62 mile.

Weights.

Kilogram	2.20 ob.
Ton	= 1,016 kilograms = 1.01 metric tons.
Metric Ton	= 1.000 kilograms.
Kantar	= about 3 to a ton = 1/3 ton.

Measures of Capacity.

Litre	= 1.75 pints
Gallon	= 4.54 litres.

CHAPTER I.

Palestine: The Country and the Climate.*The total area of Palestine.*

Palestine is a small country generally stated to be about the size of Wales. There have been many estimates of its size and varied statements and arguments based thereon. The size of Palestine, and especially the cultivable area of the country, are so highly relevant to the matters under enquiry and to the deductions which must be made, that it is necessary to examine the more important of the statements

and the estimates with some care.

The " Handbook of Palestine " prepared by Messrs. Luke and KeithRoach, puts the total area at 10,000 sq. miles, practically 26,000,000 metric dunams. The Report of the Experts submitted to the Joint Palestine Survey Commission (p. 18) recorded 8,800 sq. miles. They do not offer any information as to the authority for this figure.

On May 20th, 1925, a statement was made by Lord Stanhope in the House of Lords, which has frequently been quoted as authoritative. In that statement he said that the total area of Palestine was approximately 27,000,000 Turkish dunams; this is equal to 8,528 sq. miles.

On July 4th, 1927, the Chief Secretary of the Palestine Government wrote a letter (No. 10,56627) to the address of Dr. Ruppin, Head of the Colonisation Department of the Zionist Organisation in which he said that the total area of Palestine was 9,570 sq. miles.

The Statistical Abstract for 1929 published at Jerusalem by the KerenHayesod (Palestine Foundation Fund) records the area as 10,170 sq. miles.

Finally, the Director of Surveys in Palestine reported to the Commissioner of Lands in July, 1929, that, excluding the BeerSheba subdistrict and the southern desert, the area of the rest of Palestine was 13,760,000 dunams, and that the area of Beersheba subdistrict and the southern desert was 12,398,000 dunams, making the total area of Palestine 26,158,000 dunams or 10,100 sq. miles.

In forwarding this estimate to the Chief Secretary the Commissioner of Lands wrote :

" I would emphasise in the first place that pending completion of the topographical cadastral survey, any estimates submitted of the cultivable and uncultivable areas of Palestine can be little more than guesswork based on insufficient data."

On the 20th July, 1930, the Director of Surveys forwarded to me the revised area estimate, and wrote in his letter :

" The estimate for Beersheba is quite unreliable, and any figures must be misleading, since we have no sufficient data and what can be done there in cultivation is entirely dependent on a most unreliable rainfall."

It may be accepted that the total area of Palestine is in the neighbourhood of 10,000 sq. miles. The question of the cultivable area of the country will be discussed later in this Report.

The Natural divisions of Palestine. The natural divisions of the country are :

- (a) The hill country of Galilee and Judea.
- (b) The five plains, including that lying in the rift which contains the Jordan Valley and which, from the north of Lake Tiberias to the Dead Sea, is actually below the level of the Mediterranean.
- (c) The Beersheba area, different in character and population from the rest of the country.

(d) The desert areas.

The Survey Department has prepared a map showing these divisions of the country.

It is appended to this Report as Map No. 2.*~

(a) THE HILL COUNTRY.

Area.

The area of this tract is estimated by the Commissioner of Lands at 8,064,000 dunams, of which 5,376,000 dunams are cultivable. The area classified as cultivable was admittedly guesswork, the Commissioner of Lands having accepted that of the total area, twothirds only were cultivable and onethird uncultivable. By the courtesy of the Officer Commanding the Air Force, a test photographic survey of the Hill country was made for the purpose of this enquiry. The area so surveyed, which covered about onetenth of the Hill country, is shown in blue lines on Map No. 2 attached to this report This survey established that the cultivable area of the hills was not, as had been assumed, 66.6 per cent., but only 40 per cent. The photographs of the aerial survey have been very carefully examined by the Director of Surveys in the latest estimate submitted, which is by far the most reliable estimate hitherto prepared of the hill country in Palestine. It records the total area, including the Hill Wilderness, as 8,862,000 dunams, of which nearly 2,450,000 dunams are cultivable. Excluding the Hill Wilderness the inhabited Hills are estimated at 6,124,000 dunams. The difference between the figures quoted by the Commissioner of Lanus and those of the Director of Surveys, whether the Wilderness is included or omitted, is very large. The estimate of the Director of Surveys, based as it is in part on results obtained by aerial survey, will be accepted for the purpose of this Report.

* See Note on page 3.

Soil and Agriculture.

The cultivated land in the Hills varies very largely both in depth and quality of the soil. In the valleys there are stretches of fertile land, which will grow sesame as a summer crop. On the hillsides the soil is shallow and infertile, and the extent of land hunger is evident from the fact that every available plot of soil is cultivated, even when it is so small that the plough cannot be employed. There cultivation is carried on with the mattock and the hoe. The harvest of such plots, even in a favourable year, is exceedingly small in general it seems doubtful whether such cultivation can pay. On the other hand, even the most rocky hillsides support trees, especially olives, and if capital were available, many of the cultivators of these exiguous and infertile plots would be able to gain a livelihood by cultivation of fruit trees and of olives. These cultivators have, However, no capital, and cannot afford to forgo even the meagre crops obtained, for the four or five years which are required before fruit trees render a return. In the case of the olive, the period before a return may be expected is much longer.

Irrigation.

There is little irrigation in the hill country. Here and there are springs which afford a supply for the irrigation of a small area, but, taken as a whole, the country is arid and the crops depend on rain. It is possible that a hydrographic survey might disclose further water supplies, and scientific treatment might also improve the yield from existing springs. It is stated that during the War the Engineers of the Army of Occupation were able very largely to increase the supply from springs in certain places.

Development.

In the best case, however, it is impossible that the general character of the cultivation in the Hill country can be radically changed, except in so far as fruit can be made to replace grain. Something might be done to improve the soil and to reform agricultural methods, were capital available. The use of manures and provision of better seed would doubtless result in some improvement of the yield. But from the point of view of agriculture, the Hill country will always remain an unsatisfactory proposition.

(b) THE FIVE PLAINS.

1. THE MARITIME PLAIN.

Character.

A reference to Map No. 2 will show that the Maritime Plain is taken to be the area between the coast and the hills up to the 150 metre contour, running from Eafa in the south up to Haifa in the north. Ordinarily the Maritime Plain is treated as running from Rafa to RasenNaqura, on the Syrian border. The reason for the present division lies in the difference in the class of soil of the plains north and south of Haifa. The latter portion of the plain is the tract which contains the great mass of windblown sand, so suitable for orange cultivation. The former is in the main a heavy black soil quite unsuited for oranges.

The Maritime Plain as shown in Map No. 2 is estimated by the Director of Surveys to extend to 3,218,000 dunams, of which 2,663,000 dunams are cultivable. This estimate agrees very closely with that made by the Experts and printed on p. 22 of their Report to the Joint Palestine Survey Commission. They record the cultivable areas :

Irrigable 2,251,500 dunams

Nonirrigable 410,000 dunams

giving a total of 2,661,500 dunams. It is true that they estimate the noncultivable area at a higher figure than that adopted by the Director of Surveys. It is not clear how they calculated this area. In any case the difference has no great importance, for in the uncultivable area no question of development arises.

2. THE ACRE PLAIN.

Area.

This is the coastal plain lying north of Haifa and running up between the sea and the hills as far as the Syrian border. Its total area is given by the Director of Surveys as 550,000 metric dunams, 379,000 of which are judged cultivable.

These figures differ materially from the analogous figures recorded by the Experts. In the Report of the Experts on p. 22, this plain is divided into the plain north of Acre and the HaifaAcre plain. The total area of the two amounts to 183,000 Turkish dunams, i.e., 168,000 metric dunams. The cultivable area is shown as 103,000 Turkish dunams, i.e., 94,500 metric dunams. The cultivable area is also

shown as all irrigable. It is not known whence the Experts obtained the estimate included in their Report.

Character.

This plain is in the main composed of an alluvial deposit, rather heavy in character. There is a small area of windblown sand suitable for plantations, but, generally, the type of developed cultivation will be mixed farming with irrigation. There is ample water from springs and streams. A large area in this plain is held by the Bayside Land Corporationa Jewish corporation.

Haifa Harbour.

The future of this tract will be advantageously affected by the construction of the Haifa Harbour. Work is already in progress and is advancing rapidly. The harbour will greatly assist the development of the export trade in oranges, and perhaps other agricultural products. It is understood that the question of the pipeline from Iraq is not yet decided, and that there are hopes that it may be constructed to Haifa. If this development occurs the Acre Plain will of course benefit still further.

3.THE VALE OF ESDRAELON.

Area.

In the division of the plans made by the Director of Surveys and included in Map No. 2, the Vale of Esdraelon has been separated from the Valley of Jezreel, the latter being included with the lands of the plain of the Jordan. The total area of the Vale is reported as being 400,000 metric dunams, of which 372,000 metric dunams are cultivable. Dr. Strahom, in his report on soils, printed in the Experts' Report, records, on p. 151, that the Plain of Esdraelon hasan area of 475,800 Turkish dunams, i.e., 437,400 metric dunams. This is not very far removed from the estimate made by the Director of Surveys.

Fertility.

The evidence as to the fertility of the Vale of Esdraelon and the state of its prosperity in the hands of the Arabs, before the extensive purchases made by the Jews, is conflicting. In his report* on the administration of Palestine, 192025, at p. 35, Sir Herbert Samuel wrote :

" The whole aspect of the valley has been changed. The wooden fauts of the villages, gradually giving place to redroofed cottages, are dotted along the slopes; the plantations of rapidly growing eucalyptus trees already begin to give a new character to the landscape; in the spring the fields of vegetables or of cereals cover many miles of the land, and what five years ago was little better than a wilderness is being transformed before our eyes into a smiling countryside "

* NonParliamentary Publication (Colonial No. 15, 1925).

On the other hand, Dr. Strahorn writes in his report, p. 152 :

" Up to within recent years the land was cultivated from the Arab villages, located round the rim of the Plain. Cereals together with minor garden areas around the villages constituted the Arab cropping system. In

very recent years considerable areas of land have passed under the control of Jewish colonies and villages; gardens and orchards are now dotting the former expanse of grainfields "

Results of Jewish Settlement.

The results of Jewish colonisation of the Vale of Esdraelon are varied. In some villages there are clear signs of success; in others, the opposite is the case. The village of Afuleh, which the American Zionist Commonwealth boomed as the Chicago of Palestine, is a sea of thistles through which one travels for long distances. A plague of field mice, which has done extensive damage to both Jewish and Arab cultivation in the Vale during the present year was officially stated to be due to the fact that 30,000 dunams of the land held by the Jews are derelict and covered with weeds. It is also a fact that in a number of villages the tithes paid by the Jews are considerably below those paid by the Arabs who formerly cultivated those villages.

Its Past.

It is a mistake to assume that the Vale of Esdraelon was a wilderness before the arrival of the Jewish settlers and that it is now a paradise. A very large amount of money has been spent by the various Jewish agencies, and great improvements have been made. The work that has been done, especially in the direction of drainage and the introduction of new and improved methods of agriculture is highly valuable. There can be little doubt that in time, the application of capital, science, and labour will result in general success. It is, however, unjust to the poverty-stricken fellah' who has been removed from these lands that the suggestion should continually be made that he was a useless cumberer of the ground and produced nothing from it. It should be quite obvious that this is not the fact.

In ancient times Esdraelon was the granary, and by the Arabs is still regarded as the most fertile tract of Palestine. The soreness felt owing to the sale of large areas by the absentee Sursock family to the Jews and the displacement of the Arab tenants is still acute. It was evident on every occasion of discussion with the Arabs, both effendi and fellahin.

Soils.

The soil of the valley is generally an alluvial clay, highly suitable to cereal cultivation. Across the Vale at one place there is a belt of residual soil, even heavier than the alluvial of the rest of the valley. Both in the cultivation of cereals and in that of fodder crops the soil responds to high farming.

4. THE HULEH PLAIN.

Area.

The Huleh Plain is the most northerly part of Palestine, to the east of the country, and lies to the north of the Lake of Tiberias. Its area is reported by the Director of Surveys as 191,000 metric dunams; of this extent 126,000 dunams are cultivable. As in the case of other tracts there are wide variations in the estimates of area. The Experts, in their Report, p. 22, put the area at 150,000 Turkish dunams, i.e., 138,000 metric dunams, and the cultivable area at 120,000 Turkish dunams, i.e., 110,300 metric dunams. Dr. Ruppin has submitted on behalf of the Jewish Agency for Palestine a memorandum relating to the land and agricultural development. In the course of that memorandum he says that the area of the Huleh district is approximately as follows :

Government land... .. 47,000 dunams

Private land.. ... 110,000 do.

Lake Merom 18,000 do.

but does not specify whether the dunams used are the Turkish or metric dunams. As in the rest of the memorandum the Turkish dunam is habitually used, it is fair to assume that he has also employed it here. In that case the estimate, which totals 175,000 (Turkish) dunams, would represent 161,000 metric dunams.

Character.

The Huleh Plain may be divided into three parts. In the north there is rich alluvial cultivable land; south of this there is a large marshy area covered with papyrus reeds, the haunt of the wild boar and the grazingground of numerous waterbuffaloes which are the property of the Bedu tribes of the neighbourhood. South of this again is the Lake of Merom, through which the Jordan flows southwards to Lake Tiberias. The Lake and marsh are caused by a ridge of basalt across the Jordan Valley. If this ridge were cleared away or the river deepened, the whole valley could be drained and considerable areas of land made available for irrigated cultivation.

Marsh Area.

There are widely varying estimates of the extent of the marsh and of the extent of the lake. Possibly one of the best is that recorded on a French plan dated 1321 Hijra (1903 **a.d.**) which is attached to this Report as Map. No. 3.* According to that map, the areas of the concession are :

Marsh... .. 36,844 dunams
Lake 11,921 do.
Cultivated land 1,824 do.
Cultivable land 353 do.

* See Note on page 3.

The figures are all Turkish dunams, and, reduced to metric dunams, the areas are :

Marsh... .. 33,871 metric dunams
Lake 10,958 do.
Cultivated land... .. 1,677 do.
Cultivable land... .. 325 do.

The concessionaire estimates the marsh at 41,400 metric dunams and the Lake at 13,800 metric dunams. Of the former some 9,200 metric dunams are, he says, cultivated by Arabs. In the Experts' report (p. 154) Dr. Strahorn says that the area of the marsh north of the Lake is not less than 52,000 Turkish dunams, i.e., 47,800 metric dunams.

No survey of the marsh area has been made, nor is one possible, except by air,

until the marsh is drained. It will be safe to assume that, excluding the cultivation of the Arabs in that area, there is still an area of some 25,000 to 30,000 metric dunams of marsh land available for reclamation. Were the Lake also drained a further 9,000 or 10,000 metric dunams would be rendered cultivable. The soil of the whole Huleh Plain is exceedingly fertile. It is indeed said to be the most fertile soil in Palestine.

5.THE PLAIN OF THE JORDAN.

Area.

The Director of Surveys estimates the area of the Valley of the Jordan, in which he includes the Vale of Jezreel (*vide* Map No. 2 attached to this Report) at 1,065,000 metric dunams, of which 554,000 are cultivable. It is very difficult to obtain any comparable figures from other sources. Such as are available are examined in Appendix I.

For the purposes of the present enquiry a committee, consisting of the Government Geologist, the chief Agricultural Officer, the Irrigation Officer and an agricultural chemist, was appointed to enquire into and report upon the extent of irrigable lands in the southern part of the Jordan Valley. They report that there is an area of roughly 100,000 dunams which may profitably be irrigated, in addition to the present irrigated area, between the Dead Sea and the southern boundary of the Beisan area. Of this 28,500 dunams is land included in the Beisan chiftlik. The balance is 71,500. Already some 54,000 metric dunams are under irrigation in the lower Jordan Valley. Adding to this latter area the 71,500 dunams of the Committee's report and the 388,517 dunams of the Beisan Agreement areas, the total cultivable area of the whole Jordan Valley reaches 514,017 dunams.

Character.

The land in the north of the Jordan Valley is very fertile; in the south, with irrigation, it will grow all kinds of tropical fruits, and early vegetables. Properly developed the Jordan Valley might prove a great source of wealth to the country. In ancient times it undoubtedly supported a large population.

(c) THE BEERSHEBA REGION.

Area This is estimated at 3,200,000 dunams, of which 1,500,000 are cultivable. The figures are in fact pure guesswork, as is admitted by the Director of Surveys.

Possibilities. Given the possibility of irrigation there is practically an inexhaustible supply of cultivable land in the Beersheba, area. Without irrigation, the country cannot be developed. Up to the present time there has been no organised attempt to ascertain whether there is or is not an artesian supply of water. If there prove to be such a supply the problem of providing agricultural land for the Palestine population and, indeed, for a large number of immigrant settlers, will be easy of solution.

RAINFALL.

The rainfall varies largely from district to district in Palestine. In the Beersheba area it averages six inches and provides an exciting gamble for the

cultivators. On the coast from Gaza to Acre its average is from fifteen inches in Gaza rising to about thirty inches at Acre. In the hills of Galilee thirty to forty inches may be expected, in the upper Jordan Valley twelve to sixteen inches, while at Jericho the average is five inches. On the map appended to this Report as Map No. 5* the average fall for the last ten years in 'shown graphically.

CHAPTER II.

Palestine: The Agricultural Land.

Total Area of Agricultural Land. In the previous chapter an attempt has been made to provide an estimate of the extent of the Hill country, the areas of the Five Plains and of the Beersheba Tract. It remains to offer an estimate of the total area of agricultural land, cultivable and uncultivable, in Palestine. The whole question of the immigration of agricultural settlers depends of course on the amount of land which can be made available for them. This again depends on the difference between the total area and the area required for the existing agricultural population, Arab, Jewish and other. No exact statement as to these areas is possible until the cadastral survey now in progress has been completed. It is, however, essential to the present enquiry that a definite figure, as reliable as possible, should be adopted for this purpose.

* See Note on page 3.

Mr. Jabotinsky's Estimate. Many estimates have been made of the total agricultural cultivable area of Palestine, of which some have been rather in the nature of guesswork than of estimations. Mr. Jabotinsky has stated that the cultivable area is from 16,000,000 to 18,000,000 dunams. It is not known on what facts this suggestion is based nor whether the dunams mentioned are metric or Turkish. It is perhaps founded on a statement published in the Review of the Agricultural situation in Palestine, 1922, in which Colonel Sawyer writes : " We are dealing with a total exploitable land surface not exceeding 4,500,000 acres." Colonel Sawyer pointed out, however, that half of this area had been " written off as uncultivable."

Dr. Ruppin's Estimate. In his evidence before the Commission on the Disturbances, Dr. Ruppin, head of the Colonisation Service of the Zionist Organisation, gave an estimate of the total area of Palestine as from 25,000 to 27,000 sq. kms., of which 12,500 kms. are cultivable. Of this latter area he described 20 per cent, as entirely uncultivated, that is to say, that in his opinion there are 2,500 sq. kms., or 2,500,000 metric dunams available for settlement. As an annex to his statement he filed a paper showing the total of cultivated and uncultivated land in Palestine. Here again the area described as " tillable but uncultivated " is given as 2,500,000 dunams. The statement was based on the figures quoted by Lord Stanhope in the House of Lords of May 28th, 1925. These dunams were Turkish dunams, and the area was therefore not. 2,500 sq. kms. as stated in the body of the statement, but 2,298.4 sq. kms.

Lord Stanhope's Statement in the House of Lords. Lord Stanhope's statement in the House of Lords, on which Dr. Ruppin relied, was in its turn based on figures submitted by the Palestine Government. It is unfortunate that these figures have been widely quoted and frequently accepted as accurate. They are in fact far from accurate, as there were no statistics available at that time from which anything in the nature of an exact estimate could have been framed.

Estimate of Commissioner of Lands. Two recent estimates, have been made in an attempt to determine more accurately the cultivable area of Palestine. Of these, one was submitted on April 30th, 1930, by the Commissioner of Lands, and in his letter forwarding the estimate, he discusses the question of the meaning of the

term "cultivable land." He includes in that term land which is actually cultivated or which can be brought under cultivation "by the application of the labour and financial resources of the average individual Palestinian cultivator. This definition would therefore exclude marshes, the coastal sanddunes between Eafa and Acre, the rocky hills, the wilderness of Judea and extensive areas in the larger part of the Beersheba subdistrict south of Beersheba town." It appears to include the windblown sands in the maritime plains which are suitable for orange plantations. On this basis the Commissioner of Lands estimates the cultivable area of Palestine as follows :

	m.d
Plain of Beersheba subdistrict	1,641,000
Five principal Plains north of Beersheba subdistrict	5,216,000
Hill country	5,376,000
	12,233,000

Estimate of Director of Surveys. The cadastral survey of Palestine is now in progress and the Director of that survey has submitted a careful estimate of the total cultivable area of the country, based in part on the area already surveyed and in part on the results of the aerial survey to which reference has already been made.

He arrives at the following conclusions :

Type of Country	Cultivable	Uncultivable
	Metric Dunams	Metric Dunams
Inhabited hills	2,450,000	3,674,000
Hill wilderness		2,738,000
Five Plains:		
(a) The Maritime Plain	2663,000	555,000
(b) The Acre Plain	379,000	171,000
(c) The Plain of Esdraelon	372,000	28,000
(d) The Huleh Plain	126,000	65,000
(e) The Plain of the Jordan	554,000	511,000
	4,094,000	1,330,000
Beersheba area	1,500,000	1,700,000
Southern desert		8,672,000
Total M.D.	8,044,000	18,114,000

Further details of the above areas are given in Appendix 3. The Director of Surveys states that this estimate is based on actual results so far as these have been reached, namely, in an area of 4,047,000 dunams, chiefly in the Maritime Plain. The Director of Surveys has applied to whole cartographic areas as measured on smallscale maps, the same percentage as has been found by largescale survey in the large fractions of those areas already surveyed.

He also states that the cultivable area in the Hills, which has not yet been surveyed, has been calculated from the percentages obtained by close detailed examination of aeroplane photographs specially made by the Royal Air Force on crosscountry flights over a number of tracts selected as representative. The results have given an average percentage of cultivable land in the tracts photographed which has been applied to the whole area of the inhabited hills as

measured on a small scale cartographically. The cartographical measurements of whole areas have necessarily in each case been made upon previously existing maps and the figure so obtained is of course far from exact; nevertheless, it is probably much nearer to the actual than the figures hitherto suggested, which were in fact based on guesswork more or less intelligent.

Dr. Strahorn's figures in the Report of the Experts to the Joint Palestine Survey Commission. During the enquiry of the Experts who reported to the Joint Palestine Survey Commission, a soil survey of nearly the whole of the area included in the Five Plains was made by Dr. A. T. Strahorn, whose report is found on pages 143-236 of the volume of Reports of the Experts. On page 231 he gives the areas of the Plains, excluding the Huleh and the Beersheba areas and a small portion of the Jordan Valley, viz., that portion lying between "Wadies Sherar and Jisred Damieh. The total area which Dr. Strahorn gives for the plains included in his soil examination is 4,873,354 dunams, of which 490,387 dunams are uncultivable. He uses Turkish dunams. Converting into metric dunams, the cultivable area according to his measurements is 4,029,262 metric dunams. The Huleh area, which is accepted as 80,000 Turkish dunams of which 52,000 dunams are marsh, would give 25,740 metric dunams of cultivable land. The total estimate for the Five Plains, excluding a small area in the narrowest part of the Jordan Valley, would thus be 4,055,002 metric dunams of cultivable land. This compares with the figure of 4,094,000 calculated by the Director of Surveys for the same area, including the portion of the Jordan Valley omitted by Dr. Strahorn.

The estimate of the Director of Surveys to be accepted for purposes of this Report. For the purpose of this report the estimate of the Director of Surveys will be accepted. The important areas are those of the cultivable land of the Hills and of the Five Plains. The Beersheba region need not enter into consideration for the present. It is not an area in which settlement is possible at the present time. The total area in which settlement might be possible, if there be land to spare, amounts to 6,544,000 dunams in the Hills and in the Five Plains.

Area of Agricultural Land held by Jews. According to Dr. Ruppin's statement before the Commission on the Disturbances, the total area held by the Jews was at that time 1,200,000 Turkish dunams, of which 1,000,000 was cultivable. Of the cultivable area of Palestine, excluding Beersheba, the Jews therefore held at that time 14.04 per cent. Since Dr. Ruppin made his statement a further 50,000 metric dunams have been purchased on Jewish account, and, in addition, some 80,000 to 85,000 dunams are under option of purchase. Thus the total percentage either in Jewish possession or under option amounts to over 16 per cent, of the whole cultivable area in these two regions.

Area available for non-Jewish cultivators. Of this total, which is not less than 1,300,000 Turkish dunams, 20 per cent, may be deducted to allow for areas possibly uncultivable. The balance will be 1,040,000 Turkish dunams equal to 956,000 metric dunams. Deducting from the estimated cultivable area of 6,544,000 metric dunams a round figure of 900,000 metric dunams on account of Jewish holdings, an area of 5,644,000 metric dunams remains available for non-Jewish cultivators at the present time.

Soil Map. By the courtesy of the "Geographical Review published by the American Geographical Society of New York, and with permission kindly accorded by Dr. Strahorn, a map showing the distribution of the soils of Palestine is attached to this report as Map No. 4.*

CHAPTER III.

Palestine: The Population.

*Census of 1922.*The last census was taken in 1922, and showed the total population as being 757,182, of whom 590,890 were Mohammedans, 83,794 Jews and 82,498 Christians and others. The division between the town and agricultural population was as follows :

Town areas	
Mohammedans	139,074
Jews	68,622
Christians and others	56,621
Rural areas:	
Mohammedans	451,816
Jews	15,172
Christians and others	25,877

*Population in 1930.*There has been a very considerable increase of the population since that census was taken. In Appendix 4 are given the figures of population year by year, taken from the records of the Department of Health of the Government. The totals for mid 1930 may be accepted as approximately the following :

Mohammedans	692,195
Jews	162,069
Christians and others	91,727
	945,991

See Note on page 3.

*Distribution of population.*In this estimate the Bedu population has been taken at the same figure as in 1922. The local distribution of this population is as follows :

Urban population	340,962
Rural population	501,968
Tribal population	103,331

The total gives an average population of 94 per sq. mile, and, omitting Beersheba and the Southern Desert, about 155 per sq. mile. In Appendix 2 the figures of Jewish and Arab population have been examined, and it has been calculated that the rural Arab population of the Hills and the Five Plains is 478,390.

*Vital Statistics.*The following figures give the average birth, death, and infantile mortality ratios according to religion during the period 1923 to 1929 inclusive :

	Moslems	Jews	Christians	Others	Whole country
Births	56.59	35.54	38.57	49.42	50.97
Deaths	31.24	13.10	18.03	25.51	26.52
Infantile Mortality	199.49	110.25	157.99	137.59	185.06

Appendix 5 gives the detail for each year. The figures are interesting and important and that from more than one aspect. In the first place it is noticeable that the excess of births over deaths is most marked (25.35) among the most numerous section of the population, namely the Moslems. The corresponding figure for the Jewish population is, 22.44. The next noticeable point is the very low death rate among the Jewish population. This is without doubt in part due to the vigorous and young immigrants, of whom that population is composed to a material extent. Finally the figures of infantile mortality are interesting. The Jewish average for the past seven years is 110.25 per thousand, but during the years 1928 and 1929 the figures were 95.8 and 89.78. In England the corresponding figure for the year 1929 was 74, in Germany 97.

Comparative Infantile Mortality figures. The following table gives some comparative figures :

Year.	Country	Infantile Mortality Ratio.
1926	New Zealand	39.76
1926	Netherlands	61.1
1925	U.S.A.	71.7
1927	Egypt	152.00
1926	Poland	174.75

26

Size of average, family of fellah. Enquiry has been made as to the size of the average family of the fellah. A return from the various district authorities and the Director of Health indicates that this average is 5.5. Applying this figure, the number of families resident in the Hills and the Five Plains is 86,980 this year.

Fellah families cultivating. An enquiry has been made by a Commission appointed by the Palestine Government into the economic condition of agriculturists in 104 representative villages. In these villages there reside 23,573 families, of whom 16,633 have holdings and 6,940 have not, that is to say, that there are in these villages 29.4 per cent, of families who live, not directly by cultivation, but by labour either in the village or outside and in other ways. Everywhere there is the complaint that many of the cultivators have lost their land. Doubtless this 29.4 per cent, includes these landless men who previously were cultivators. If a deduction of 29.4 per cent, is made from the total of 86,980 families reached above, the balance is 61,408 families actually cultivating the land in the Hills and the Five Plains. In addition, there are a large number of families which should be, but are not, cultivating the land.

HEALTH.

At the time of the Occupation Palestine was a country saturated with malaria. Since that time much good work has been done, not only by agencies of the country, but also with the help of outside scientific enquirers. The Rockefeller Foundation, the League of Nations, the Jewish Joint Distribution Committee have all rendered invaluable assistance in investigation, in research and in advice. Very much has been done in the drainage of swamps and marshes, in great part by Jewish agency and in great part by the Government. The Supreme Moslem Council has also taken a share, and its work in the drainage of the extensive and very malarial swamp at Wadi Rubin, under the advice of representatives of the Rockefeller Foundation, has been a complete success. A similar work of even greater magnitude which is now nearing completion is the drainage of the Kabbara Swamp by the P.I.C.A. The Zionist Agency was responsible, among other works, for

the drainage of considerable areas in the Vale of Esdraelon. The Government Department of Health revolutionised certain areas of the Jordan Valley at comparatively small cost, by draining of marshes.

Much, however, still remains to be done. Huleh is a plague spot. The malaria of that part of Palestine will not be finally overcome until the Huleh Lake is drained and there is a free flow of water out of the Basin into the Jordan River. There are wide areas in the neighbourhood of Acre where drainage is necessary. There are still swampy areas in the Maritime Plain.

The second of the preventable diseases which are common in Palestine is trachoma. This disease is being combated with great vigour all through the Jewish Settlements and in the towns. In the village schools of the Government the eyes of the children are examined periodically by competent physicians. The work of the hospital of the Order of St. John at Jerusalem is famous even beyond the boundaries of Palestine.

Generally speaking, the health of the population of Palestine is the object of more attention than is the case in the great majority of Oriental countries. Once the malarial swamps are drained, and when the Arab villages become more accustomed to demand medical care than is the case at present, the position will be completely satisfactory.

It is the good fortune of the Government that Jewish organisations provide such an effective service for their own people. It would be impracticable for the Government to supply anything on a similar scale with the funds at its disposal. In its report* for the year 1928 on the administration of Palestine, submitted to the Council of the League, His Majesty's Government wrote the following : " It has been the policy of Government to rely as far as possible on private and Municipal Hospitals and Dispensaries to furnish general medical relief to the population, and to devote Government funds to such services as isolation hospitals for serious infectious diseases, special clinics for trachoma and epidemic ophthalmia, the treatment of the endemic syphilis which exists in many of the villages and of malaria in rural areas. For certain sections of the population, however, such as the Beduin tribes, which would otherwise lack medical attention altogether, Government establish special clinics, and circumstances arise from time to time in which assistance to voluntary organisation for general assistance is necessary."

The country is fortunate that there is so much of voluntary help in Palestine. It is questionable whether with the large growth of the Jewish population, which is proceeding by natural increase, apart altogether from immigration, it will be possible for the Jewish agencies indefinitely to maintain expenditure on its present scale. It will be impossible for the Government ever to undertake medical services to the Jewish population on a scale more liberal than that applied to the rest of the population, but a time will surely come when the services of the Government will be compelled to extend their radius of action, so as to include Jewish settlements as well as Arab villages.

Meanwhile such funds as can be made available will doubtless be applied to the drainage of the malarial swamps which still remain. There is a distinct relation between the economic efficiency of a people and its health. Its vigour is seriously affected by malaria. If the country's agriculture is to be developed, that development will be easier and more efficient if the rural population can be freed from the scourge of malaria.

* NonParliamentary Publication (Colonial No. 40, 1929).

The following is an extract from the report of the Department of Health for 1929, an advance copy of which has been furnished by the Director. It is interesting apart from considerations of health :

" The Village and Colony population both Arabs and Jews was clearly in financial difficulty. The Arab, though not starving, is beginning to feel the effects of the normal increase in population, which has been so remarkable a feature in Palestine during the last few years. 'He has no money to spend on his Tillage, and there has been little public health development. The situation in the Jewish Colonies continues to show a certain stagnation, and the sanitary conditions in the Colonies, particularly those in which the old huts have not given place to masonry buildings, have clearly deteriorated on account of the poverty of the colonists. More especially is this marked in the newer colonies in the Haifa Plain and in the Emek "

In considering the figures for the Jewish population, it should be borne in mind that this section of the population of Palestine enjoys the services of a highly efficient Jewish medical and Health Service in addition to the normal services afforded by the Government. It is served by the Kupath Cholim, a branch of the Jewish Labour Organisation, which maintains dispensaries, a hospital and a convalescent home for the working classes. It is served by the Jewish Hadassah Medical Organisation, which not only maintains five hospitals at various centres staffed by 34 doctors and surgeons, male and female, but also has a very efficient service which takes care of the child from its infancy and follows it through the kindergarten into the school and from the school into the home. The activities of the Organisation are widespread and highly laudable. But some of the credit for the remarkable figures dealing with the health of the Jewish population must be accorded to the children's houses in the Kvutza, the communal colonies, where the care of the child is entrusted to the hands of competent trained nurses. Whatever view may be taken of the principles which govern communal societies such as the Kvutza represent, no two opinions can be held as to the efficiency with which the children are treated in these colonies. In inspecting them one could not but be struck with the obvious vigour and health of the rising generation.

The Health Department of the Government is staffed by a Director, a Deputy Director, an Assistant Director, six Senior Medical Officers, a specialist surgeon, a Government analyst, 40 junior Medical Officers. There are Government Hospitals at Jerusalem and Haifa, and Municipal Hospitals, assisted and administered by the Government, at Nablus, Gaza, Beersheba and Acre.

In all, including the hospitals administered by the Hadassah and the Government, there are 38 hospitals in Palestine. Of these, five are special hospitals (two mental hospitals, 117 beds; one tuberculous diseases hospital, 53 beds; one ophthalmic hospital, 45 beds; one leper hospital, 60 beds) and the remaining 33, with 1,692 beds, are available for the general needs of the population. This gives one bed for 559 persons.

It is noticeable that the main concentration of medical assistance of all kinds is in the towns. Private medical practice does not extend to the Arab villages. These are chiefly dependent on the services of the Government Medical Officers. The Jewish settlements are, however, well provided for in this respect, and that population, probably more than in any other country, has ample medical assistance at its door.

Among the complaints made by Arabs one had reference to the enormous influx of Jewish doctors into the country, an influx which "was stated to have deprived a number of Arab qualified practitioners of their practices. The population of Jaffa is about 33,000; of Tel Aviv, the Jewish suburb of Jaffa, which is now a separate Municipal area, 40,000. In 1922 there were registered 25 medical practitioners in Jaffa and 24 in Tel Aviv. In 1929 the respective numbers were 32 and 147. That is to say, that for 73,000 people there are 179 medical practitioners, or one to every 408 inhabitants. It is clear that the number of new practitioners cannot but

have affected the practice of the existing Arab doctors, the more so as it is very rare for a Jewish family to call in an Arab doctor. On the other hand, it is said that the Arabs have no aversion to the employment of Jewish medical men.

For the whole of Palestine there are 631 registered medical practitioners; of these there are 147 in TelAviv, 140 in Jerusalem and 75 in Haifa.

CHAPTER IV.

Land Tenure in Palestine.

Categories of land. Agricultural land in Palestine falls into "one of five main categories, namely :

- (1) Mulk.
- (2) Miri.
- (3) Waqf.
- (4) Metruke.
- (5) Mewat.

1. *Mulk.*

Mulk represents English freehold. The absolute ownership rests in the private individual, who can dispose of it as he likes, except for a restriction on disposition by will. The amount of agricultural land held as Mulk is small and for the purposes of this enquiry is negligible.

2. *Miri.*

Agricultural property is commonly held by Miri title. Miri is property over which the right of occupation or of tenure can be enjoyed by a private person, provided that such right has been granted by the State. The absolute ownership remains vested in the Government, but the grant is in perpetuity, subject to certain conditions. Of these, the chief is continuous cultivation. If the land remains unproductive for three consecutive years it may revert to the State. In that case it may be redeemed by the possessor on payment of the unimproved capital value. If not so redeemed it is sold at auction to the highest bidder (Land Code, Article 68). It is not thought that the area of Mahlul* land is material. Freedom of disposition is allowed in the case of Miri land, with the exception that land of this character may not be bequeathed by will or constituted as Waqf.

3. *Waqf.*

The following is abstracted from a note furnished by Mr. Justice E. C. Tute:

" Both mulk and miri lands gave rise to dedications known as Wakfs. A wakf is a transfer of ownership to the Deity for a purpose which is, or may become, charitable or religious. Some Wakfs were charitable or religious foundations from the start. The majority however were, and are, made as a means of securing the use of the land to the founder and his heirs along a line of inheritance laid down in the Wakfiah or instrument of dedication. In

these Wakfs the charitable or religious object does not materialise till the founder's line becomes extinct.

" Wakfs are broadly classified into Sahih, or true Wakfs, and Ghairsahih, or imperfect. The former arise from the dedication of mulk property; the latter from the dedication of miri. As miri property is owned by the State, dedication can only be made by its head. It took the form of setting aside some benefit attaching to the land, generally the tithe, for the use of the object of the dedication. The mulk owner had of course the power to dedicate as and when he pleased, and he still retains that power "

The area of agricultural land dedicated as "true Waqf" is comparatively insignificant. In the whole of Palestine it is not claimed to extend to 100,000 dunams, and, in fact, the extent is probably much smaller. The revenue from over one hundred villages, in addition to shares in many others, had prior to the occupation been dedicated by or on the Sultan's authority. These fall under the category Waqf GhairSahih (imperfect) and the result is that a sum in the neighbourhood of £30,000, representing the Tithe in respect of these village lands, though collected by the Government, is diverted from the Treasury to the Waqf administration of the Supreme Moslem Council. The land itself in all cases remains Miri and is subject to all Miri dispositions.

* i.e., Miri land which has reverted to the Government.

4. *Metruke.*

Land left for roads, or assigned as the common land of the village, as, for instance, for pasture, is known as Metruke. Such land cannot be sold by an individual nor is any disposition possible.

5. *Mewat.*

Mewat has a certain importance in that its area, which is not yet determined, may be considerable. It is the waste land (which has not been left or assigned to the inhabitants or held by Kushan) at such a distance from the village site, that the voice of a man shouting there cannot be heard. This has been interpreted by judicial decision as one and a half miles. The land is vested in the Government. Cultivation with permission entitles to the issue of a titled deed (Kushan) free of charge. Cultivation without permission under the old Mohammedan law entailed payment of the unimproved value. Now, under the provisions of the Mewat Land Ordinance of 1921, any person breaking up Mewat land without permission is treated as a trespasser.

The area of Mewat will only be finally determined when the settlement operations now in progress are completed.

MESHA'A.

A common feature of the proprietary right in agricultural land is the existence of the system known as Mesha'a. In villages where this system prevails, the whole of the property held in the village is held in common. Each shareholder owns a fractional share in the village, but has no separate parcel of land allotted to him in proprietary right. The village as a whole belongs to the body of the proprietors as a whole. The individual's share is usually expressed in terms of various measures; a sharer may own a fedan (an area so large that a pair of cattle

can plough it in one day), or a karat, that is 1/24th of the whole, or a fraction of the whole, called a sehem. But none of these represent defined plots or parcels of the village; they represent an undivided share of the total.

In the Mesha'a villages there is usually a permanent distribution among the Hamulahs the tribal divisions of the village. Within these large areas individual shares are as a rule divided every two years, with the result that no development is at all possible. No cultivator will proceed to manure or improve his holding, which he knows will pass to some other cultivator in the course of the next two years.

This Mesha'a system is a constant cause of complaint among the fellahin. *Its partition.* Partition can be made in one of two ways, either by agreement among the parties and acceptance of that agreement by the Courts, or by the Courts themselves. In the former case

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there has to be unanimous agreement of all the shareholders. In the latter case the Courts act on the petition of the individual shareholder, but the cost to him is exceedingly heavy, for several reasons. In the first place, it has never been the custom to register changes of title upon transfer of property or succession. Most of the titles now held by proprietors are not actually in their name. Very frequently they are in the name of a father, or a grandfather, or other relation who is long dead. Before partition can be effected it is necessary that the title should be clear.

Expense of partition. Apart from the difficulty in establishing the title, the registration of the amended title costs 3 per cent, of the value of the property by way of registration fees. Again, before the Courts will proceed to a partition they demand a map prepared by a qualified surveyor. This map has to be furnished by the applicant for the partition. In addition, there are the Court fees for the partition, which are themselves not negligible. In sum, the applicant for partition by action of the Courts is put to very serious expense as a preliminary, and is quite uncertain how long the proceedings may last and what the ultimate result will be.

Unofficial partition. There are a large number of villages in which *de facto* partition has been carried out, although no official sanction has yet been given. In the majority of cases these partitions are unsatisfactory from the agricultural point of view. As in all Oriental countries there is in Palestine a universal desire that each shareholder should have a share, however small, of each distinctive class of land. The result is that the plots of individuals are scattered here and there throughout the village, and are frequently either of ridiculous shape or too small for effective exploitation. Cases are known of fields being so divided that a share is 2,000 metres long and 41 metres broad. There are cases of this kind even where partition has been made by Government officers, as, for instance, in the Beisan area. This is exceedingly unfortunate.

Partition by agreement. It is desirable that partitions should be made by agreement, in which case the procedure is simple and inexpensive, and the cost of the Courts is avoided. As a preliminary a survey of the area to be partitioned is necessary. In sanctioning these partitions it is essential that the influence of the sanctioning officer should be used to correct the tendency to diffuse and uneconomic partition. It is said that this is difficult. One case has been cited in which the fellahin were persuaded to redistribute the land so as to amalgamate the holdings, thus constituting economic blocks. It was a long and tedious process, and the officer concerned was of opinion that it had taken three times as long as an ordinary partition case. The matter is of such extreme importance that it is well worth while to spend a large amount of trouble to ensure satisfactory partitions.

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Its extent and effect. A return of the year 1923 showed that of the villages in Palestine at that time 56 per cent, were Mesha'a and 44 per cent. Mafruz (i.e., divided). A return of the present year shows 46 per cent. Mesha'a and 54 per cent. Mafruz. This is an indication of the number of cases in which private partition has been carried out. The majority of these partitions are not final. They will doubtless become so by prescription, after a lapse of a considerable interval of time. This is not a satisfactory position.

Mesha'a is described by the Committee on the Economic Condition of Agriculturists as " perhaps the greatest obstacle to agricultural progress in Palestine." They record that the system misses alike the advantages of individualism and of cooperation; while it remains, they say, it is useless to expect that land will be weeded or fertilised, that trees will be planted, or, in a word, that any development will take place. These opinions are held generally by the Area Officers and District Officers of the Palestine Government and by the fellahin concerned.

Government action in regard to partition. In the year 1923, a Commission was appointed by the Government to consider the whole question of Mesha'a. It made certain radical proposals, including the recommendation that legislation should be introduced empowering the executive authorities to enforce partition. It suggested the appointment of local committees to carry out partitions, and a reduction of taxation in respect of fees of registration and of survey in partitioned lands. It also suggested that the Werko tax should not be increased on newly partitioned lands until a general assessment of the tax is undertaken.

Nothing appears to have been done as a result of the enquiry and report of this Commission. This is to be regretted, as it is essential that every possible step should be taken to encourage the development of Arab holdings.

Partition under land settlement. At present there is a settlement in progress, but its proceedings are complicated and difficult and many years will pass before they are completed. The Settlement Officers have power to deal with these cases. It would be advantageous to put on a special staff of selected officers to deal with Mesha'a and partitions, or to empower the Area and District Officers to deal with these cases on the spot. One of the essential preconditions of development is that the land shall be partitioned and that partitions shall be effected on reasonable principles.

Acceleration of partition. The matter should form the subject of immediate and serious consideration by the Palestine Government. In passing legislation it would be well, if at all feasible, to avoid the nomination of committees. These are notoriously ineffective, both as executive or as quasijudicial bodies. It would be preferable to grant to Area Officers, and, under their supervision and control, to District Officers, the power to enable them to deal with partition cases. Some right of appeal will be necessary in case of parties who feel themselves aggrieved, but resort to the civil courts should be discouraged as far as possible. It is preferable, if feasible, that appeals in partition cases from decisions of Area Officers should lie to the District Commissioner, from District Officers to the Area Officers.

THE LAW GOVERNING AGRICULTURAL TENANCIES.

Landlords. Though it is known that very large areas are held by resident and nonresident landlords, the total area cultivated by tenants has not yet been ascertained. It will only be known when the survey and settlement at present in progress have been completed, and if the proposals on this subject contained in this report are accepted.

Tenants. No occupancy right exists in favour of the Arab tenant in Palestine. As a rule he holds his land on a yearly tenancy, terminable by his landlord at will. *Land Transfer Ordinance, 1920.* Several attempts have been made to improve the position of the agricultural tenant in this respect. In September, 1920, soon

after the establishment of the Civil Government, the Land Transfer Ordinance, 1920, was issued. The Preamble of that Ordinance recites :

- (a) in order to meet the needs of the people it is desirable that transactions having in view the immediate use and cultivation of land be permitted;
- (b) it is necessary to take measures to prevent speculative dealings in land and to protect the present occupants;
- (c) a Land Settlement Court is shortly to be established, which will adjudicate all titles, and in the meantime no guarantee of title can be given by the Administration;
- (d) it is intended to introduce legislation to secure orderly planning of the towns and the erection of buildings, subject to the control of the Administration;
- (e) the Administration is taking measures to facilitate the establishment of Credit Banks in Palestine, which shall have power to grant loans on the security on immovable property; pending the consideration of the establishment of such Banks, it is desirable to continue the prohibition of the sale of land in satisfaction of a mortgage or in execution of a judgment.

Restriction on transfer of land. The Ordinance then proceeded to provide for the control of all land transactions. To all such transactions the consent of the Administration must be obtained; this consent was given through the District Governor, where he was satisfied that the person about to acquire the property (1) was resident in Palestine, (2) would not obtain property exceeding in value £3,000 or in area 300 dunams, (3) intended himself to cultivate the land immediately. It was also a condition (4) that the

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transferor, if in possession, or the tenant in occupation of the property leased, would retain sufficient land in the district or elsewhere for the maintenance of himself and his family.

If an application were rejected by the District Governor, an appeal lay to the High Commissioner, whose decision was final.

The High Commissioner also had the power to consent to the sale of large areas of land, if he were satisfied that the transfer was in the public interest, or he might refer an application for any such disposition to a Commission which existed at that time, and whose duty it was to report upon closer settlement of the land.

Complaints against restrictions. From the beginning there was general protest on the part of the Arabs against these restrictions on the sale of the land. They alleged that they were designed to impoverish the Arab population and to compel the sale of their land to the Jews at an inadequate price. These complaints were formulated before the Commission of Enquiry which reported on the riots of 1921. That Commission wrote as follows :

" The Arabs have regarded with suspicion measures taken by the Government with the best intentions. The transfer of Land Ordinance, 1920, which requires that the consent of the Government must be obtained to all dispositions of immovable property, and forbids transfer to other than residents in Palestine, they regard as having been introduced to keep down the price of land and to throw land which is in the market into the hands of the Jews at a low price " *

Transfer of Land Ordinance, 1920. The Ordinance was amended, and was replaced by the Transfer of Land Ordinance, 1920. The Director of Lands was constituted as the authority to grant permission for dispositions of land, and he was bound to grant that consent if satisfied that the transferor had a title, " provided that,

in the case of agricultural land which is leased, he shall also satisfy himself that any tenant in occupation will retain sufficient land in the district or elsewhere for the maintenance of himself and his family"

This Ordinance in fact remained a dead letter. It was circumvented in one of two ways; either the landlord, who desired to dispose of his land, ejected his tenants as a preliminary operation, and so sold the land with vacant possession to the purchaser, or the landlord or the purchaser induced the tenant to withdraw on payment of compensation. In both of these cases there was no tenant in occupation, and the conditions of the Ordinance consequently failed to operate.

Protection of Cultivators Ordinance, 1929. The latest attempt to protect the tenant in cases of sale by the landlord is the Protection of Cultivators Ordinance, 1929. This cancelled the provision of the Ordinance of 1921, which required that, on sale, arrangements should be made to provide a tenant in occupation with land in lieu of the holding from which he was dispossessed.

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It aims at protecting the cultivator who has been at least two years in a holding, by requiring the landlord to give him a full year's notice before the tenancy can be terminated or before the rent may be increased, and by providing for compensation for the tenant for disturbance and for improvements, which he has carried out himself. It provides further that where the tenant has cultivated a holding for five years or more, the landlord shall pay him as additional compensation a sum equal to one year's average rent.

Its practical effect. This Ordinance is of little value in preventing the displacement of tenants from the soil. There is no record of tenancies in Palestine, as there is, for instance, of agricultural tenancies in India. It would be extremely difficult for any tenant to establish a tenancy of five years on the same holding. In any case, at its best, the ordinance would only provide money compensation, while what is eminently required is, not compensation for disturbance, but a provision against disturbance.

AGRICULTURAL TENANCIES.

Occupancy right. One of the requirements of agricultural Palestine at the present time is an effective provision for occupancy right in favour of the tenant. The pressure on the soil is so great that, as will be shown later, rents are rising to a height which threatens to preclude the tenant from producing sufficient from a holding to pay the charges thereon and at the same time to maintain a standard of life that is even tolerable. Under these conditions any provision short of occupancy right is of little value. And if occupancy right be granted it must be secured by a provision preventing the increase of rents except with the sanction of the Courts, otherwise the right of occupancy will prove nugatory.

Occupancy right: Position of Jewish agricultural tenants. In the case of Jewish tenants conditions are much better than in that of the Arabs. The Jewish tenant of the IverenKayemeth (Jewish National Fund) has not yet got any document authorising his holding or specifying its conditions, but it is certain that he will ultimately be furnished with a lease, of which it is intended that the term will be 49 years renewable. There is no question of uncertainty of tenure in this case. The P.I.C.A. either sells land to the occupant, payment being made by instalments

over a long term of years, or provides him with a longterm lease. In fact, the Jewish settlement is in the interest of the occupant of the soil, while the Arab enjoys no such advantage. There is thus no necessity for legislation for conferring the occupancy right on the Jewish tenant. At the same time, legislation providing for the creation of such occupancy right generally would not in any way interfere either with the policy of the Jewish landlord or with the amenities of the Jewish tenant. It is true that the creation of occupancy

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right will effect a very radical change in the position of the Arab tenant visavis his landlord. It will also reduce the market value of land occupied by tenants. It is, however, the only measure likely to arrest the present tendency to divorce the fellahin from the soil.

Register of, tenants. The creation of occupancy right will entail not only the preparation of a register of existing tenants but also the necessary machinery for keeping that register up to date. It is in any case desirable that such information should be available, as it will enable the Government to watch the movement of the agricultural population from the soil to the village or the town. It will provide information as to the course of rents, and so will facilitate periodical revision of any tax on land which may be imposed. It is an essential of any efficient policy of agricultural development. It is desirable that this register of tenants should be prepared by the Settlement staff in the case of settlements now in progress, and I advise that this should be done.

Palestine: Survey. At the present time a survey of Palestine is in progress, which will afford information, of which the want has always been felt seriously with regard to the areas of the country.

Land Settlement. The main objects of the Settlement are two; the first is to obtain an exact record of the rights of all proprietors of agricultural land, the second, to provide a basis on which a reasonable system of land taxation can be founded, in order that the antiquated systems of Tithe and of Werko may be abolished.

Land registration fees. As to the first of the above objects it may be said that the settlement results will prove of strictly temporary utility if the existing fees on registration of transfers and dispositions of land remain in force. One of the chief reasons for the avoidance of registration of title in the past has been the expense which that registration entailed on the applicant. In Appendix 6 the rates of fee for registration of various kinds are detailed. It will be seen that they are in fact very onerous.

Land registers. It is highly desirable that, once the record of rights prepared by the settlement officers is complete, its maintenance as an accurate record shall be easy. Otherwise the record will very rapidly again become inaccurate. For this reason, the fees to be charged on the registration of changes in the record should be so light that they will not prove to be a serious burden on the person to whom a property has been transferred.

Maintenance of record of occupancy right. It has been suggested above that the village records should include a record of tenants as well as one of the proprietors. If this proposal is accepted, it will be necessary to have a machinery to keep the tenants' register up to date. The same agency might deal with the register of owners. Responsibility for application for amendment of the register should not be removed from the shoulders of the proprietor or the tenant, but the official who is charged with the maintenance of the records will be in a position to bring to notice those cases in which that responsibility is not in fact discharged. If a penalty were to attach to failure in this matter of application for amendment of the register, and at the same time there existed an official in a position to know the facts, there should be little difficulty in keeping the registers accurately up to date. An accurate record of this kind will be of great value, not only to the authorities but, and perhaps even more importantly so, to the proprietors and to the tenants of the village.

CHAPTER V.

Jewish Settlement on the Land.

Agencies of Jewish Settlement. Areas, being Jewish property either of the various colonisation agencies or of private individuals, are shown on map No. 6.*

The two chief agencies of Jewish settlement on the land are the Palestine Jewish Colonisation Association, commonly known as the P.I.C.A., and the Colonisation Department of the Zionist Organisation, which is financed by the Keren Hayesod. The former buys land and installs settlers; the latter is purely a settlement agency, the land being purchased by the Palestine Land Development Company for the Jewish National Fund, which places it as required at the disposal of the Keren Hayesod. Before being handed over for settlement, the land is improved by the Jewish National Fund (Keren Kayemeth).

In addition to these two major agencies of settlement, there are a large number of land or settlement companies which either dispose of land in small lots to wouldbe settlers, or prepare and plant the land and sell it, either when planted, or when mature and bearing, to immigrants.

Private agencies : The Benei Benjamin. There is also a number of private agencies which prepare land for settlement, as for instance the Benei Benjamin. This is a society of young Jews, having members both in Palestine and abroad. It has borrowed money and has purchased a tract of 9,000 dunams of land, which it is preparing and planting, for settlement of other members of the Society who hope in time to come to Palestine. It is interesting to observe the difference in policy between a society of this kind and an ordinary commercial society, such as Palestine Plantations, Limited, which has acquired a large area and is developing it as orange plantations for sale to immigrant Jews. The former society has its plantations in the village of Nataniya, in the Maritime Plain. It charges its members £85 per dunam for developed orange groves at the end of the fifth year, when the trees are coming into bearing. The trees are all grafted. Tel Mond is the colony where the plantations of Palestine Plantations, Ltd., are situated. It was ascertained from the Company's local manager that for similar groves of the same age the price is £110 per dunam.

* See Note on page 3.

Amount of land held by Jewish organizations. From information received from the Jewish agency in Palestine and from the Palestine Land Development Co., Ltd. (a purchasing agency not only for the Jewish National Fund but for many of the public and private companies), it appears that in June, 1930, Jewish land in Palestine amounted to 1,250,000 dunams. The Statistical Abstract of 1929 gave an area of 1,200,000 dunams. Though this fact is not stated in the Statistical Abstract or in the Memorandum submitted by the Jewish Agency, it has been ascertained that the dunams referred to are not metric dunams, but Turkish dunams.

In addition to this land so held, the various Jewish agencies hold options over a further area of between 80,000 and 85,000 metric dunams.

(1) THE P.I.C.A. SETTLEMENTS.

Of the various Jewish settlement agencies the largest and most important is the P.I.C.A., whose colonies number 34. This association commenced work in 1882, under the designation of the Jewish Colonisation Association (I.C.A.), and its operations since that date have been supported by generous expenditure on the part of Baron Edmond de Rothschild. The P.I.C.A. now owns 454,840 metric dunams of land. To the activities of this organisation are due the foundation of the wellknown colonies of Petach Tikvah and Eehovoth, which have recently developed with rapid strides. The former was in origin a colony of 28 families settled on 2,000 dunams of land. It has grown into a country town of some 10,000 inhabitants and comprises 25,000 dunams of land, of which considerable areas are owned by

private individuals. Eehovoth is also extending rapidly. At the start 20 families were settled on 10,600 dunams; the population of the village is now estimated at 2,800 and the area attached to the colony is 22,600 dunams, also owned in large part by private individuals. This colony was famous for its almond plantations, and still exports large quantities of almonds through its Cooperative Society of Almond Growers. The almond industry is now overshadowed in all this region by the orange, and the area under orange groves is increasing with great rapidity. EichonleZion, with its famous cellars, and ZichronJacob are other wellknown P.I.C.A. colonies.

The Kabbara concession. The P.I.C.A. has two important projects in course of completion, both in the Maritime Plain. In 1921 the Association obtained a concession for the manufacture of salt at Athlit, for the drainage of the Kabbara swamp and for the development of the Caesarea sanddunes. The first of these projects has been transferred to a company which is producing salt in considerable quantities. The drainage of the Kabbara swamp and the irrigation canals which will cover this area are now approaching completion. The total extent of land included in the Kabbara concession was 5,170 dunams, and in addition the P.I.C.A. already owned 2,300 dunams adjoining. The whole area has been reclaimed and rendered cultivable. At the time of my visit a large part of the area was carrying rich crops of linseed. The drainage work has proved particularly difficult, owing to the existence of springs in the bed of the swamp for whose drainage subsidiary arrangements are necessary. At one place 126 of these springs were discovered in three and a half dunams of land, less than an acre. The drainage of all these springs has added much to the cost of reclamation, and ,£92,000 has already been spent on the work.

Pardessana. The second project is the development of the Pardessana colony, south of the Kabbara swamp, and lying among the undulating sandy hillocks of the Maritime Plain which are so favourable to the growth of the orange. .The preparation of the land for that colony, which will provide holdings for 450 families, besides 1,000 families of workmen, has almost been completed. Wells have been and are being sunk, electric current has already been provided, both for power and light, and the town site has been laid out. The individual lots have been marked on the map, and in the case of the few colonists who have already arrived, also on the ground. The work reflects the greatest credit on those responsible for it, and, given the possibility of creating a sufficient market for the largelyincreasing supply of Jaffa oranges, the future of this colony is most promising.

A feature of Pardessana is the provision of small lots for families of the labouring class. An area of 5 dunams, with cowhouse and poultryhouse, is attached to each of the workmen's dwellings, which are composed of two rooms and a kitchen.

Benjamina. Similar provision is made for the labouring class, in this case Jews from Georgia, in the colony of Benjamina, lying south of Pardessana. In that colony a perfume factory has been started successfully, and both the colonists and the labourers have been encouraged to reserve a small area for jasmine, and have been instructed in the method of cultivation and in that of plucking the flower. The produce of the factory is stated to be of good quality, and to sell for high prices in France or in England. The actual profits to the grower are not large, as cultivation and plucking absorb much labour and occupy much time. The industry is, however, well suited for allotment holdings such as those with which the labourers are provided.

Colonies in Galilee. Apart from its colonies in the Maritime Plain the P.I.C.A. has established a number of settlements in Upper and Lower Galilee. These are chiefly

of the oldfashioned kind, with somewhat extensive holdings, and grow principally cereals and other country crops. In some of the colonies the settlers are acquiring crossbred cattle of a superior type, which provide an income from dairy produce. In most of these colonies Arab labour is employed.

Bitania. One of the P.I.C.A. settlements, named Bitania, in the Upper Jordan Valley, deserves special mention. It contains an experimental area in which fruit of various kinds, and the more valuable vegetablestomatoes, cucumbers, eggplantare beingcultivated. It has been found that the land of this colony, which lies to the north of the Jordan Valley and not far from the Lake of Tiberias, is specially suitable for the cultivation of grapefruit and bananas. The grapefruit of Bitania is firstclass in quality, almost seedless, with the minimum of pulp, of fair size and thinskin. Its flavour is excellent. It has been ascertained by experiment that the fruit can be stored and kept in good condition at least until the month of June. These results of the experimental cultivation of the grapefruit are most important, for the soil is unsuited to the orange and the grapefruit provides an even more valuable crop.

Relations of P.I.C.A. Colonists with Arabs. The relations of the old P.I.C.A. colonists with their Arab neighbours and with their Arab workmen were excellenta mutual advantage to both communities. Had the P.I.C.A. policy of friendship and conciliation with the Arab been permitted to continue, there is no doubt that in the neighbourhood of their colonies none of that bitterness which is now so prevalent need have arisen.

(II) THE ZIONIST SETTLEMENTS.

The Jewish National Fund. The Jewish National Fund holds approximately 270,000 metric dunams. According to a statement submitted by the Jewish Agency and reproduced as Appendix 7 to this Report, there are 20 cooperative groups, 16 smallholders' settlements, 5 girls' groups, 4 Yemenite settlements, 2 agricultural settlement stations and 2 experimental stations. In addition, there are 9 settlements described as " supported ". On the other hand, the statement submitted by the Jewish National Fund (KerenKayemeth) records the following :

" The types of settlement on the land are as follows : 18 smallholders' settlements ; 27 cooperative group settlements; 7 Yemenite settlements; Agricultural experimental station and its branches.' "

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Zionist settlements. The settlements of the Zionist organisation have not been in existence for as long a time as those of the P.I.C.A., and they work on different principles. The outstanding principle is " selflabour '", which implies that no settler shall have more land than the area he is able to cultivate by the unaided labour of himself and his family. In the case of the cooperative group, the area is determined by the amount which the group is able to cultivate without assistance. Notwithstanding the fact that the settlers receive a certain agricultural training as chalutzim " (i.e., pioneers) before arrival in Palestine, they are not by early training agriculturists. They are drawn from all walks of life. There is no lack of ardour or enthusiasm, and there can be no doubt that in time the settlements will be able to support the cultivators, especially in those districts where plantation is possible. Meanwhile, there are few if any, of the settlements which are truly selfsupporting, and there appear to be none in which any payment has been made in respect of the outlay by the Jewish National Fund or the KerenHayesod.

Expenditure by KerenKayemeth and KerenHayesod. The amounts spent by these two agencies have been formidable, and it is quite impossible that they will ever be repaid in full. In the former case no question of repayment arises, as the land is not to be sold to the settlers. Yet it is certain that no adequate interest in the form of rent could be paid by the settlers on the outlay of the Fund on their holdings. In the case of the KerenHayesod also the outlay has been lavish, and the whole of the colonies are so overcapitalised that it will prove essential both to

write off a considerable amount of the outlay and to fix the rate of interest on the balance at an uneconomic level if the outlay is to be liquidated. The Jewish National Fund and the KerenHayesod have very kindly submitted consolidated statements of their expenditure, which are printed as Appendices 8 and 9 to this Report. In the former, excluding the items " Urban Land ", " Urban Buildings ", and " Lands ", the sum of £1,545,659 appears to have been spent on agricultural colonisation. In the latter, the items " Urban Colonisation ", " National Organisations ", " Investments ", and " Jewish National Fund " do not appear to be expenditure on colonisation in the country. The balance is £3,345,531. Adding these two sums together, the total cost of agricultural colonisation by the Zionist Organisation appears to have been £4,891,190.* The number of persons actually settled for this sum is shown in Appendix 10a statement submitted by the Jewish agency.

Population of settlements. The total population of the Zionist settlements in 1930 (included therein being the " supported settlements ") consisted of 4,406 adults, and 2,364 children under 15 years of age. The cost of colonisation of a family has thus been very large.

* The whole of this sum has not been expended on families actually settled. It includes an amount spent on land still in reserve.

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Area of Zionist settlements. In Appendix 11 is reproduced a statement submitted by the Jewish Agency as to areas held. This shows that included in the settlements belonging to the Zionist Organisation are 129,466 dunams of land, in addition to 14,758 dunams belonging to settlements described as " supported ". These latter are settlements belonging to other agencies for whose continuance the assistance of the Zionist Organisation is required. Of the 129,466 dunams actually the property of the Zionist Organisation, and included in the settlements, 15,137 dunams are leased to others, 11,958 dunams are shown as fallow, and 7,390 are " idle, fit for cultivation ", i.e., in all 34,485 dunams, or 26.6 per cent, of the total of the cultivable area of these settlements was for one reason or another not cultivated during the last year by the settlers themselves.

Reserve area. As has been recorded, the total area of land held by the Jewish National Fund is 270,000 metric dunams. From the statement in Appendix 11 it appears that, excluding the settlements called " supported " only 114,329 dunams were cultivated. This implies that of the land held by the Fund over 155,500 dunams are in reserve. The Zionist Organisation has been engaged in colonisation work since before the War, though only since the War has development been rapid. It has now a reserve of land sufficient for a programme for a number of years. This is satisfactory, in that it will enable a general programme of development to be worked out for the country without interference with the work of Zionist settlement.

Emek colonies and contagious abortion. A large number of the Zionist colonies are in the Emek. They tend more and more to be based on dairy produce, poultry, and fruit. The price of milk is now falling. The Zionist colonies have large herds of fine cows, many of them being purebred Holsteins, or the HolsteinDamascus and the HolsteinGaulan cross. They are heavy milkers. It is unfortunate that with the cows has also been imported Bang's bacillus, and that contagious abortion is present in the large majority of the stallfed dairy herds. The matter has been taken in hand by the Department of Agriculture, and it is hoped in time to eradicate the disease. Meanwhile, its appearance cannot but affect the estimates of the cost of settlement and throw back the date at which the dairy settlements will definitely become selfsupporting.

Experts' opinion as to completion of establishment. On page 40 of their Report the Experts wrote as follows :

" that no expenditure for planting new colonies should be made unless the development of existing colonies has been completed, or the money required for their full development has been provided. The amount required for this will absorb the probable normal income of

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the Colonisation Department for several years to come. Delay in providing settlers with needed equipment and improvements is now causing serious losses and disappointments. It is lowering the efficiency of the settlers, it is the cause of large deficits, even in the older colonies, and is placing on the Zionist Organisation, rather than on the settlers, the responsibility for making the colonies selfsustaining "

These remarks are still applicable. The colonisation settlements in the Emek, which were examined by those Experts, are still not fully equipped. Indeed, it is stated that the sum of ;£300,000 is necessary for expenditure during the next two years if these colonies are to be a success.

On July 2nd, 1930, an article appeared in the English supplement of the Jewish Labour paper, " *Davar*," the organ of the General Federation of Jewish Labour, and published by that Federation. The article is entitled " At the Bottom of the List." Referring to an article in the Hebrew issue of the paper on the consolidation of the Zionist colonies, the writer says :

" A detailed plan adopted in 1927 by the Zionist Colonisation Department placed the investments still needed to make all settlements selfsupporting at £499,029. It was resolved to complete the process within two years and it was with this understanding that the above sum was fixed. The Labour Movement submitted to the necessity of letting consolidation take precedence over all other activities The plan was sound, but what of its fulfilment? The two years have passed, the third year is nearing its close, and the goal is yet to be reached. In 192728 a sum of £136,000 was expended; in 192829 another £78,000, and 192930 yet another £130,000. This makes a total of £344,000, which, being subtracted from the original total, leaves an arithmetical balance of £155,000 still outstanding. But the economic balance is much greater. In the development of a farm there is a tremendous difference between obtaining the budget in cash so that it can be invested productively at once, and having to wait for windfalls, meanwhile living from hand to mouth. The present position is that instead of £155,000, not less than £300,000 will in all probability be needed to complete the equipment, and again on the understanding that the balance will be forthcoming during the remainder of the present year and the following one Now that the time has come for the preliminary drafting of the Agency budget for the next Jewish year those responsible should know that the patience of the Emek settlers is finally exhausted, and that they insist upon means being found to complete the equipment of their farms during the present year "

Selfsupporting Zionist settlements. In the Memorandum submitted by the Jewish Agency, at page 24, the following is written : " Those settlements which have received their full equipment from the KerenHayesod are now selfsupporting. The other settlements that have not yet received their full settlement loan are most of them by now very near to the stage of being ' selfsupporting.' In this connection we mean by the term ' selfsupporting ' that the ordinary farm expenditure and living expenditure, including renovation, but not including depreciation, nor repayment of settlement loan, nor rent (which is not yet payable), are covered by the ordinary farm income. In this sense the following settlements in the valley of Esdraelon are already selfsupporting, viz., Nahalal, Ginegar, Balfouria, Kiar Yeheskiel."

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The Consolidation Budget. By the courtesy of Dr. Kuppin, statements were submitted bringing up to date the information contained in Table I printed on page 72 of the Experts' Report, This table gives, among other information, the amount of the " Consolidation Budget," that is, the amount still necessary to complete the settlement of each colony. From the statements it appears that for Nahalal (which is described in the Memorandum as " selfsupporting ") a sum of £10,000 is still required, for Ginegar the sum is £23,000, for Balfouria, £3,500.

Kfar Yeheskiel : Cost o/ Settlement. Only in the case of Kfar Yeheskiel can the colony be said to be selfsupporting, and in the modified sense of that word used in the Memorandum. This colony contained 59 families, in 1930. In the statement on p. 72 of the Experts' Report the cost of the land for this colony and its amelioration was shown at \$342,090, say £70,389. In the statement now submitted the cost of the equipment is shown as £63,935 in addition. The total expenditure of settling 59 families is, therefore, £134,329, an average of £2,277 per family.

KerenHayesod : Budget. In view of the continuing necessity for expenditure on existing colonies it is remarkable to find that in the year 1928/1929 the budget of the KerenHayesod for agricultural colonisation fell from £167,090 of the previous year, to £93,123, while at the same time the expenditure on urban colonisation rose from £4,747 to £91,949.

Further, there is at present a plan in preparation with the object of placing one thousand families of labourers on the land. The following is an extract from the Report of the Palestine Jewish Agency, published in the " Palestine Weekly " of July 4th, 1930 :

" It is also a matter of common knowledge that at the last meeting of the Administrative Committee of the Jewish Agency, which took place in London, it was resolved to settle one thousand families of workers, by means of extra budgetary funds, in the vicinity of the big plantation colonies. The plan is still in the preparatory stage"

Influence of Federation of Labour. A second criticism of the Experts was directed to the submission of the colonisation authorities to the influence of the General Federation of Jewish Labour, and the tendency to use the Zionist colonies as a method of forwarding the Federation policy of social reform. This tendency is still strongly in evidence, and will be discussed later.

Kvutzoth Colonies. A third criticism is directed against the Kvutza, the communal colonies. In those colonies land is held in common, and the community lives in one or more large communal houses, one, or sometimes two, rooms being allowed to each couple. For the children there is a separate children's house, where they are cared for by nurses specially detailed to this duty.

The work of the settlement for the next day is distributed each evening among its members by the community in meeting after the evening meal, and it is understood that each member takes his or her turn at all the domestic or agricultural duties of the group. The employment of paid labour is against the principles which govern such communities. At the time of writing, however, parties of boys belonging to the junior branch of the Federation of Labour have been deputed to some of the Kvutzoth colonies in the Emek to assist in harvesting the grapes. It was explained by one of the officials of the labour executive that, on the one hand, the employment of labour for this purpose would be too expensive for the means of the colony and that, on the other hand, the outing was in the nature of a holiday for the children and that it had the additional effect of stimulating interest in agricultural pursuits. This Kvutzoth system is still in full vigour and new colonies of this type for the labourers are being constructed today.

Smallholding colonies. These differ, of course, from the smallholding colonies, in which each family has its separate dwelling (in almost all cases surrounded by a garden) and its separate agricultural lot. In these, family life is preserved. In

some there is an aversion to the employment of paid labour, and much work is done in common, as, for instance, the threshing of the grain at harvest. Many of the smallholders' colonies are highly attractive in appearance and show signs of progress. This is specially the case in the Maritime Plain, where the orange has proved a great source of wealth, but there are also attractive colonies of this kind in the Plain of Esdraelon, where farming is of the mixed type, the main branches being dairy, and vegetable and fruit cultivation. Even in the smallholders' colonies there is a keen communal feeling, and during the inspection of one of these a complaint was made that one of its members, who had failed financially and left the village, had sold his agricultural outfit to a stranger, without consultation with the village Council. The members of the colony expressed no objection to the newcomer, who was in every way satisfactory. Objection was rather to the manner of his coming among them.

Emek and Upper Jordan Valley Colonies: Nahalal. Among the Zionist settlements probably the most successful and the most attractive are some of those in the Emek and in the Upper Jordan Valley. Nahalal is the outstanding instance of a progressive colony of smallholders. Founded ten years ago, with 80 families, it now has 75 agricultural and 35 nonagricultural families. The colony has been well laid out. It is not yet completely equipped and housing will require a considerable outlay, but progress is substantial. The colony commenced as a grain-growing colony, but has since changed over to more intensive methods, specially to dairy farming and poultry keeping. All the grain produced is used as fodder for birds and animals, and no grain is now sold. In 1922 the colony had 38 cows. It now has about 500 and the income from the sale of animals this year has been £1,500. The colonists also own over 30,000 fowls.

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The average holding is 100 dunams. At present it is not more than is sufficient to maintain a family, but it is anticipated that water can be pumped for irrigation and that when this is done there will be room for a few further settlers.

• " *Regulating Societies* ". One feature of the colony is what are described as " regulating Societies ", which afford help to colonists who suffer from sickness or from poverty. The members arrange among themselves to cultivate the land or tend the animals of a sick member, charging him with the cost. If it is found that the colonist cannot pay, the debt is carried forward to the following year. Some bad debts are made, but the Societies put aside a sum every year to meet such losses. It was reported that some of the colonists are putting money into their farms. This argues an income in excess of that necessary for the maintenance of the family. The colonists have not yet begun to repay any of the money due to the Keren Hayesod for installation, nor is rent being paid to the Keren Kayemeth. *Kfar Yeheskiel.* Another successful colony in the Plain of Esdraelon is Kfar Yeheskiel. Here the average lot is 85 dunams, but six of the 40 cultivating families have additional land in a neighbouring village. In this colony also the basis is dairying. The colonists own 300 cows and live by selling the milk and the young stock. In addition many fowls are kept and 20,000 eggs are sold on the average each month. Some of the colonists are specialising in fruit and it has been found by experiment that the grapefruit will flourish. The colonists estimate that the net income in cash is £60 per family. Repayment to the Keren Hayesod and payment of rent have not yet commenced. The total number of families in this village is 60, of whom 20 are engaged in trade or in work other than agriculture.

Dagania A. Of another type is the Kvutsoth colony Dagania A in the Upper Jordan Valley. This colony was founded 20 years ago. The area was stated by residents on the spot to be 7,000 dunams, of which 800 are irrigated by pumps worked by electric power. There are 255 residents, of whom 116 are children. The industries of the village are dairying and fruit, and the gross produce was said to be £20,000 per annum. Bananas are the staple fruit of the colony and do well. This colony is certainly prospering, but here also no payments are being made in respect of debt or of rent.

Kiryath Anavim. A colony which is looked upon by the Zionist Organisation as a great success is the hill colony Kiryath Anavim, a few miles distant from Jerusalem. It is a dairying and fruit colony, with a small area under cultivation. The fodder for 40 Dutch cows comes up by lorry from colonies near to Jaffa, and the settlers stated that its cost was met by the

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income from the manure of the cowhouses. The milk is sold in Jerusalem. The adult population of the village is 70. Enquiry was made on this point, but it was not explained how this large number of colonists was occupied with work on a dairy farm with 40 cows and on a small area of fruit. The colony was described as paying its way, and a profit of £164 was stated to have been made in 1929. It appeared, however, from further enquiry that the sum of £1,080 was earned as wages of labour in Jerusalem and elsewhere, that £400 is still required for consolidation, that the outlay of the KerenHayesod on establishment of the colony was £23,015, that the accumulated deficit is £5,115, and that nothing has been paid towards the debt, or for rent. This settlement cannot seriously be characterised as a financial success.

Jewish rural population. It is somewhat difficult to ascertain how many Jews have been settled on the land. The Report* of the Commission on the Disturbances, at page 8, records the Jewish rural population as 35,000, distributed over 135 settlements. On the other hand, the VaadLeumi, in a Memorandum submitted to the Mandates Commission of the League of Nations, says that the rural Jewish population is 46,000. The exact numbers will not be known until the census of next year, but there can be little doubt that the figure contained in the Memorandum of the VaadLeumi is exaggerated, as the total of the detailed statements for each settlement submitted in the course of this enquiry by the Jewish Agency with their Memorandum is 38,777. This figure, again, may not be exactly accurate, but it is as near the truth as can be ascertained at the present time. It is estimated by the VaadLeumi that there were 10,000 Jews in Jewish colonies in 1919 and that since June, 1921, and up to the end of 1929, 89,926 Jews immigrated into Palestine. If the figure of the Jewish Agency's Memorandum be accepted, the increase of population in the colonies since 1921 is certainly not greater than 28,777, that is to say, that of immigrant Jews less than 1 out of 3 is settled on the land. The immigration movement is in major part a movement of immigration to the towns.

Zionist Settlements not selfsupporting. Of the agricultural settlements it may be said that none of the Zionist settlements are selfsupporting in the sense that they would be able to maintain themselves without further assistance and pay back to the KerenHayesod a reasonable amount towards satisfaction of their debts, and to the KerenKayemeth an economic rent. It is indeed admitted that no such consummation is anticipated. Many Zionist settlements would cease to exist if further support were not forthcoming. The P.I.C.A. colonies include in their number several old colonies which are radically established, and which will unquestionably flourish in the future. Even of the P.I.C.A. colonies, however, there are a number, including some of the older

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colonies, which still require support and in some cases reorganisation. I understand that this reorganisation is in progress.

Excessive cost of Zionist settlement. The system adopted by the Colonisation Department of the Zionist Organisation is immensely costly; it demands very little from the settler himself. Indeed however hard a settler may work, and however desirous he may be to pay back sums that the Fund expended on him, by no possibility can he arrive at that result. The debt which he owes cannot be repaid by any effort on his part.

Jewish settlement in Russia. It is interesting to compare the principles and cost

of Jewish settlement on the land in Kussia with the corresponding cost and principles which obtain in Palestine. Jewish colonisation is proceeding on a large scale in Southern Russia, under the auspices of the Joint Distribution Committee, known in its colonisation activity as " AgroJoint." Conditions are of course different, as the Russian Government supplies the necessary land free of charge. Apart from the land, it is costing ;£150;£200 to settle a family on the land in Russia, This includes preparing the land (tractor operations and wellsinking) though in a number of cases the digging of the wells is done by the settlers themselves. Of the total expenditure on settlement 82.25 per cent, is described as " returnable expenditure." The balance represents expenditure on what is called " agricultural extension " and on administration. The latter item amounts to the remarkably reasonable percentage of 6.64 per cent, of the total expenditure. It is recorded in a report for 1926 that the new settlers of the 192324 season were already paying their debts.*

In a report on the work in Russia, by J. Billikopf and Dr. Maurice B. Hexter, written in 1926, the following occurs :

"It is to be noted that nothing is donated outright to the settler except technical instructions and medical assistance; other than technical and medical aid all else is charged to a settler's account, of which the colonist has current information."

Settlement of refugees in Greece. Similarly, in the case of the Greek refugee settlement, all the money spent on settlement by the Refugee Settlement Commission was repayable. It has recently been arranged that the actual overhead expenses of administration shall not be repaid by the agricultural refugees, nor the cost of construction of certain major works of public utility, as for instance an irrigation canal and arterial roads, but that, as a general rule, all other expenditure on the settlement of the individual family, including the price of the land, shall be recovered. Repayment is actually in progress. The cost of settlement of the agricultural refugees in Greece amounted on

* Report by Joseph A. Rosen, Director of the AgroJoint, submitted to the Chicago Conference of the United Jewish Campaign, October, 1926. the average to less than ; £80 per family, but this sum did not include the price of the land, and about half the houses were provided by the Government, being houses evacuated by exchanged Turks and Bulgarians. These houses, however, required radical repairs.

Expenditure on settlement and effect of nonrepayment. It is undesirable, from the point of view of ordinary morality, that colonists should be allowed to benefit by the large expenditure which has been made for their settlement and yet to escape payment of the amounts spent upon them. Nothing could be worse than that the Jewish immigrants should feel that they have the right to be established in Palestine at the expense of others. There is a danger that this view will prevail and that settlers will look upon what is described as the " inventory," this is, provision for their settlement, as a right. If a strong, healthy and selfrespecting peasantry is desired in the Jewish colonies in Palestine, it should be made quite clear to the settlers that they are under the obligation to repay the outlay which has been made on their behalf.

(iii) THE EFFECT OF THE JEWISH SETTLEMENT ON THE ARAB.

P.I.C.A.'s relations with the Arab. In discussing the question of the effect of Jewish Settlement on the Arab it is essential to differentiate between the P.I.C.A. colonisation and that of the Zionist Organisation. In so far as the past policy of the P.I.C.A. is concerned, there can be no doubt that the Arab has profited largely by the installation of the colonies. Relations

between the colonists and their Arab neighbours were excellent. In many cases, when land was bought by the P.I.C.A. for settlement, they combined with the development of the land for their own settlers similar development for the Arabs who previously occupied the land. All the cases which are now quoted by the Jewish authorities to establish the advantageous effect of Jewish colonisation on the Arabs of the neighbourhood, and which have been brought to notice forcibly and frequently during the course of this enquiry, are cases relating to colonies established by the P.I.C.A., before the KerenHayesod came into existence. In fact, the policy of the P.I.C.A. was one of great friendship for the Arab. Not only did they develop the Arab lands simultaneously with their own, when founding their colonies, but they employed the Arab to tend their plantations, cultivate their fields, to pluck their grapes and their oranges. As a general rule the P.I.C.A. colonisation was of unquestionable benefit to the Arabs of the vicinity. It is also very noticeable, in travelling through the P.I.C.A. villages, to see the friendliness of the relations which exist between Jew and Arab. It is quite a common sight to see an Arab sitting in the verandah of a Jewish house. The position is entirely different in the Zionist colonies.

Zionist colonisation: the Arab. In the Memorandum submitted by the Jewish agency attempts were made to establish that the purchase of the villages in the Esdraelon valley and their settlement by the Jews had not had the effect of causing the previous tenants to join the landless class. A list of the ejected tenants was submitted as an annex to the Memorandum, giving the subsequent employment of each one of these tenants in so far as they could be traced. The annex dealt with 688 tenants. The following is an extract from the Memorandum :

" Very few traced belong to the landless class; 437 are continuing farming⁵⁸ as harraths; 89 are shepherdsthey were all shepherds before the evacuation, farming being with them a merely subsidiary occupation; 4 are craftsmen, 14 are merchants; 50 are urban labourers; 4 are vegetable vendors; 10 are camel drivers; 2 are milkmen; 37 died; 41 whereabouts unknown. In addition, out of the 688 not less than 154 have become property ownersthat is, they now possess a house and lot of their own."

In explanation of the above statement it must be pointed out that a " harrath " is a farm servant; he is not a tenant farmer. The real result of this enquiry is to establish that of 688 Arab families which cultivated in the villages in the Vale of Esdraelon which were purchased and occupied by the Jews, only 379 are now cultivating the land. Three hundred and nine of these families have joined the landless classes. In the cases described as " died " it is not the family that is extinguished, but the head of the family who has died. Presumably, the descendants are still alive and earning their bread in some other walk of life than agriculture. It is also to be recorded that the number, 688, does not by any means include all the families who were displaced. According to the records of the Area Officers at Nazareth and Haifa, the number of " farmers " displaced from those villages was 1,270, nearly double the number accounted for in the Memorandum. In addition to farmers, there are, of course, many other residents who, though not in occupation, have interests in the land. With reference to these the District Commissioner, Northern District, writes :

" It appears quite clear that the persons who claimed, or at any rate who received compensations, by no means included all those who had interests in land, who according to the census figures amounted to 4,900. The census figures are usually taken as being about 20 per cent, below the truth, owing to the objections to a census which was connected with military service"

Government responsibility towards Arab cultivators. The Jewish authorities have

nothing with which to reproach themselves in the matter of the Sursock lands. They paid high prices for the land, and in addition they paid to certain of the occupants of those lands a considerable amount of money which they were not legally bound to pay. It was not their business, but the business of the Government to see to it that the position of the Arabs was not adversely affected by the transaction. In Article 6 of the Mandate it is the duty of the Administration of Palestine to ensure that the rights and position of the Arabs are not prejudiced by Jewish immigration. It is doubtful whether, in the matter of the Sursock lands, this Article of the Mandate received sufficient consideration. *P.L.D.Co.'s attitude towards Arab cultivators.* The question of the treatment of Arab cultivators on the lands purchased by Jewish agencies for development and settlement is already one of importance, and will become increasingly important as further purchases are made. It is a question which intimately concerns the good government of the country, and one to which the Administration of Palestine will doubtless direct its attention. The importance of the question was brought forcibly to notice by Mr. Hankin, an agent of the Palestine Land Development Company. In a letter dated 14th July, 1930, he writes :

" Had we desired to disregard the interests of such workers of the land as are dependent, directly or indirectly, upon lands of the landlords, we could have acquired large and unlimited areas, but in the course of our conversation I have pointed out to you that this has not been our policy and that, when acquiring lands, it is our ardent wish not to prejudice or do harm to the interests of anybody. We feel it our duty to settle the workers and enable them to continue their agricultural occupation, either in the same place or elsewhere. But we have the possibility of acquiring 100,000 dunams without having to make any settlement for the tenants, since the acquisition of such an area will not cause harm to anybody and will not oust anybody from his lands; only after this area has been acquired we shall have to see to a proper settlement for the tenants"

The above is a translation from a Hebrew letter sent subsequent to an interview, of which the note records that Mr. Hankin said : " it is possible still to make arrangements for settling Arabs off 100,000 dunams which we may purchase but not after that. Then it will be necessary to make arrangements for the Arabs, as for the Jews, on the land purchased. They will have to be colonised, as the Jews, but it will be cheaper. For the Arab worker, £150; for the fellah, £300; for the Jewish worker, £300; for the Jewish cultivator, £600 to £700"

At a later stage of this report the question of the sufficiency of land for Arab cultivators will be examined. It is sufficient at this stage to record the fact that Mr. Hankin, who has probably a more intimate knowledge than any other Jewish representative of the facts regarding agricultural land, is of the opinion that the balance of new land available for settlement at the moment is 100,000 dunams at the outside.

The effect of the Jewish colonisation in Palestine on the existing population is very intimately affected by the conditions on which the various Jewish bodies hold, sell and lease their land.

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The Constitution of the Jewish Agency: Land Holding and Employment Clauses. The Constitution of the Jewish Agency for Palestine was signed at Zurich on 14th August, 1920. Article 3 (d) and (e) read as follows :

" (d) Land is to be acquired as Jewish property and subject to the provisions of Article 10 of this Agreement, the title to the lands acquired is to be taken in the name of the Jewish National Fund, to the end that the same shall be held as the inalienable property of the Jewish people.

" (e) The Agency shall promote agricultural colonisation based on Jewish labour, and in all works or undertakings carried out or furthered by the Agency, it shall be deemed to be a matter of principle that Jewish labour

shall be employed"

KerenKayemeth draft lease: Employment of Jewish labour only. I have been favoured with copies of the draft of the lease which it is proposed to execute in respect of all holdings granted by the KerenKayemeth (Jewish National Fund). The following is Article 23 of this lease :

" The lessee undertakes to execute all works connected with the cultivation of the holding only with Jewish labour. Failure to comply with this duty by the employment of nonJewish labour shall render the lessee liable to the payment of a compensation of ten Palestinian pounds for each default. The fact of the employment of nonJewish labour shall constitute adequate proof as to the damages and the amount thereof, and the right of the Fund to be paid the compensation referred to, and it shall not be necessary to serve on the lessee any notarial or other notice. Where the lessee has contravened the provisions of this Article three times the Fund may apply the right of restitution of the holding, without paying any compensation whatever."

The lease also provides that the holding shall never be held by any but a Jew. If the holder, being a Jew, dies, leaving as his heir a nonJew, the Fund shall obtain the right of restitution. Prior to the enforcement of the right of restitution, the Fund must give the heir three months' notice, within which period the heir shall transfer his rights to a Jew, otherwise the Fund may enforce the right of restitution and the heir may not oppose such enforcement.

*KerenHayesod Agreements: Employment of labour.*In the agreement for the repayment of advances made by the KerenHayesod (Palestine Foundation Fund) to settlers in the colonies in the Maritime Plain the following provisions are included :

" Article 7.The settler hereby undertakes that he will during the continuance of any of the said advances, reside upon the said agricultural holding and do all his farm work by himself or with the aid of his family, and that, if and whenever he may be obliged to hire help, he will hire Jewish workmen only."

In the similar agreement for the Emek colonies there is a provision as follows :

" Article 11.The settler undertakes to work the said holding personally, or with the aid of his family, and not to hire any outside labour except Jewish labourers."

*Zionist policy in regard to Arabs in their colonies.*The abovequoted provisions sufficiently illustrate the Zionist policy with regard to the Arabs in their colonies. Attempts are constantly being made to establish the advantage which Jewish settlement has brought to the Arab. The most lofty sentiments are ventilated at public meetings and in Zionist propaganda. At the time of the Zionist Congress in 1921 a resolution was passed which ' ' solemnly declared the desire of the Jewish people to live with the Arab people in relations of friendship and mutual respect, and, together with the Arab people, to develop the homeland common to both into a prosperous community which would ensure the growth of the peoples." This resolution is frequently quoted in proof of the excellent sentiments which Zionism cherishes towards the people of Palestine. The provisions quoted above, which are included in legal documents binding on every settler in a Zionist colony, are not compatible with the sentiments publicly expressed.

The same remark applies to the following extract from the Memorandum submitted by the General Federation of Jewish Labour to the " Palestine Commission of Enquiry " (i.e., the Commission on the Palestine disturbances of August, 1929) :

" The Jewish Labour Movement considers the Arab population as an integral element in this country. It is not to be thought of that Jewish settlers should displace this population, nor establish themselves at its expense. This would not only be impossible both from the political and economic standpoint, but it would run counter to the moral conception lying at the root of the Zionist movement. Jewish immigrants who come to this country to live by their own labour regard the Arab working man as their compatriot and fellow worker, whose needs are their needs and whose future is their future."

The effect of the Zionist colonisation policy on the Arab. Actually the result of the purchase of land in Palestine by the Jewish National Fund has been that land has been extraterritorialised. It ceases to be land from which the Arab can gain any advantage either now or at any time in the future. Not only can he never hope to lease or to cultivate it, but, by the stringent provisions of the lease of the Jewish National Fund, he is deprived for ever from employment on that land. Nor can anyone help him by purchasing the land and restoring it to common use. The land is in mortmain and inalienable. It is for this reason that Arabs discount the professions of friendship and good will on the part of the Zionists in view of the policy which the Zionist Organisation deliberately adopted.

Reasons for the exclusion of the Arab. Attempts were made to ascertain the reasons for these drastic provisions directed to exclude every Arab from the land purchased. The Executive of the General Federation of Jewish Labour were perfectly frank on the subject. They pointed out that the Jewish colonies were founded and established by Jewish capital, and that the subscriptions of which this capital is composed were given with the intention that Jews should emigrate to Palestine and be settled there that these subscriptions would never have been given had it been thought that they would be employed to support Arab labourers that it was the business of the Zionist Organisation to cause immigration into Palestine of as many Jews as possible, and that, if Arabs were employed, posts would thus be filled up for which Jews might have immigrated that the position of agricultural labourer in the colonies, when occupied by a Jew, serves as a training for the immigrant and prepares him to take over a holding himself at a later date and, finally, that if these posts were left open to the ordinary competition of the labour market, the standard of life of the Jewish labourer would be liable to fall to the lower standard of the Arab.

Policy contrary to Article 6 of Mandate. All these arguments are thoroughly logical, and have a basis in fact. They are, however, irrelevant, in view of the provisions of Article 6 of the Mandate. The principle of the persistent and deliberate boycott of Arab labour in the Zionist colonies is not only contrary to the provisions of that article of the Mandate, but it is in addition a constant and increasing source of danger to the country. At the moment this policy is confined to the Zionist colonies, but the General Federation of Jewish Labour is using every effort to ensure that it shall be extended to the colonies of the P.I.C.A., and this with some considerable success. Great pressure is being brought to bear on the old P.I.C.A. colonies in the Maritime Plain and its neighbourhood pressure which in one instance at least has compelled police intervention. As a symptom of that pressure may be cited the construction of a labour Kvutsoth (communal colony) on the outskirts of the P.I.C.A. village of Nessziona. It is certain that the employers of that village will not be able to resist the arguments of the General Federation, reinforced by the appeals of the vigorous labour colony at its gates.

That this replacement of Arab labour by Jewish labour is a definite policy of the Zionist Organisation is also evident from the following quotation, taken from " A Guide to Jewish Palestine ", published by the Head Office of the Keren Kayemeth

Leisrael The Jewish National Fund and the KerenHayesod, at Jerusalem in 1930 :

" up to the end of the war the old plantation settlements employed practically only Arab workers. The transfer of Jewish labourers into the old villages has been a source of constant care of the Zionist Executive, which latterly succeeded in placing approximately 6,500 workers in these centres, chiefly in the form of Havuroth, i.e., closely organised groups, which contract with farmers for specific pieces of work, and are themselves settled on small farms. Under this category come also the Yemenite settlements near the plantation villages "

It will be a matter of great regret if the friendly spirit which characterised the relations between the Jewish employer in the P.I.C.A. villages and his Arab employees, to which reference was already been made, were to disappear. Unless there is some change of spirit in the policy of the Zionist Organisation it seems inevitable that the General Federation of Jewish Labour, which dominates that policy, will succeed in extending its principles to all the Jewish colonies in Palestine.

The present position, precluding any employment of Arabs in the Zionist colonies, is undesirable, from the point of view both of justice and of the good government of the country. As long as these provisions exist in the Constitution of the Zionist Organisation, in the lease of the KerenKayemeth and in the agreement of the KerenHayesod it cannot be regarded as desirable that large areas of land should be transferred to the Jewish National Fund. It is impossible to view with equanimity the extension of an enclave in Palestine from which all Arabs are excluded. The Arab population already regards the transfer of lands to Zionist hands with dismay and alarm. These cannot be dismissed as baseless in the light of the Zionist policy which is described above.

(iv) **GOVERNMENT LANDS**

The question of the Government lands.

The Jewish Agency, and the Jewish community in general, are insistent in pressing their claim to all lands in the ownership of the Government. A list of these lands, and of other lands to which Government lays claim, or to which it has laid claim in the past are entered in Appendix No. 12 and their position is shown on Map No. I.*

Huleh and Beisan.

The lands fall into various categories. The question of Huleh and of the Beisan lands is discussed at length in another portion of this report. In both of these cases the position is a " fait accompli ". If the Government wishes to obtain proprietary possession of the former Government lands in the Huleh Basin, it will either have to await the problematical chance of the denunciation of the concession, or to purchase the rights of the concessionnaire. In the case of the Beisan Chiftlik lands, the Government can only regain possession by purchase, or by expropriation on payment of compensation. These were the two most important and valuable areas of Government property, and are still those to which the eyes of the Jewish organisations are turned with longing and with invincible expectation.

Chiftlik Estates.

Of the areas still remaining, there is a class of property, which the Government has leased to the Arabs on the spot. The Government claims ownership. These Arabs have been in actual possession for very many years, and in certain cases claim that they

* See Note on page 3.

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have rights, and have made application to be treated in the same manner as the tenants with whom the Grhor Mudawwara agreement was made in 1921. The following is the list of properties of this kind, with their areas :

(1) Mansourah	area 2,500 dunams
(2) Kokab	area 3,750 do.
(3) Zalafieh	area 2,700 do.
(4) TelelDahab	area 2,400 do.
(5) Deir ghazaleh	area 2,400 do.
(6) Mazra'a el Hamra	area 11,300 do.
(7) Akrabenieh	area 960 do.
(8) El Farush	area 1,656 do.
(9) Sajad	area 7,000 do.
(10) Hamadieh	area 500 do.
(11) Zeita	area 5,350 do.
(12) Jaladiyeh	area 4,143 do.
(13) Kofakha	area 9200 do.
(14) Muharraka	area 4,580 do.
(15) Rafa	area 90,000 do

The Government share in the village of *Kokab* is 324th in an undivided village. If this share were to be transferred the other sharers would have the right of preemption.

A part of the *Rafa* lands was offered to the Jews, but for financial reasons was refused. The same is the case with *Tel Arad*. Part was offered to the Jews for settlement by exservice men, but attempts to find water were not successful and the offer was not accepted.

In the general development of agricultural Palestine which will be recommended as the only solution of the present difficulties, the whole of these properties will doubtless be examined in detail and will fall into the appropriate place in the scheme which must be prepared. It is obvious that unless development is undertaken as a preliminary to closer settlement, the Arabs who are now existing on these properties can neither have their holdings reduced, nor can be expelled in order to make room for Jewish settlers.

Jazzair, which extends to about 418 dunams, is leased to an Arab tenant of long standing for 20 years.

Hassaniyeh, for which demands have been made, lies in the Safad subdistrict. The claim of the villagers to this property has been recognised and it is no longer State Domain.

Dahnuneh and *Mubaraheh*, also in the Safad subdistrict, have been settled with a Jewish Cooperative Society on a 50 years' lease. Their area is small.

TobAlti, at Acre, is largely occupied by the Agricultural Station, and by sites reserved for the Central Prison and for the Men's Elementary Training College. The

balance consists of building sites, many of which have already been sold under a scheme initiated by the Ottoman Government.

The property of *Subeih*, in the Nazareth subdistrict, was of the same class as the group of villages on which the Arab tenants are allowed to remain on payment of 10 per cent, of the gross produce as rent, which have been detailed above. The total area is 9,000 dunams. Of this, 2,000 dunams have been taken for the Jewish Agricultural School to be founded from the Kadoorie Bequest. The Government has agreed to sell the remaining portion of the village to the Arabs who are settled thereon and have been for at least the past century. There are reported to be 140 families, of whom 70 are actual cultivators and the rest graziers or workmen. Parts of the boundaries of the village lands are in dispute and the case is before the court.

The Government property in *Rakayik* has been leased to a Jew.

The *Acre Sands*, 12,225 dunams, have been reserved for exchange and lease to the Haifa Bay Development Company (now the Bayside Land Corporation) a Jewish concern. When the Haifa Port is developed these lands are likely to become exceedingly valuable.

The *Kishon Lands* consist largely, if not entirely, of wadi beds drained by the Government, the work being done as a relief work for the Jewish unemployed in 1926/27. These lands are only 450 dunams in extent and should assuredly be reserved by the Government, in view of the keen demand for land in that neighbourhood, both for Government and other buildings on the completion of the Haifa Harbour works. The Jewish community already holds a large area of land in Haifa itself and in the immediate neighbourhood.

The *Rushmia* property, 3,385 dunams, occupies a large area on the Carmel ridge, and is in the immediate neighbourhood of Haifa. An application for a lease to the Jewish National Fund is under consideration. In view of the outlook for Haifa, this again will be a property of rapidly increasing value. It is fair that the enhanced value which results from the Government's expenditure at Haifa should redound to the financial advantage of the Government. This property is not an agricultural property in the ordinary sense. It will rapidly become a suburban property. The wiser course would seem to be to split up the property into blocks and dispose of these on long lease to individuals. If this land is leased to the Jewish National Fund, the result will be that no Arab can ever hope either to occupy a portion of the land or possibly to be employed thereon as a labourer or workman.

Athlit, *Kabbara* and *Caesarea* have already been granted to the P.I.C.A. under a concession. (*Therkaz* and *Hudeidoun* are occupied by the same organization. The two latter are small areas.

The *Toubas lands*, in the Nablus subdistrict, are 41,700 dunams in extent and are occupied by Arab cultivators who have never acknowledged the Government claim to proprietary right. The Arabs have never paid rent and do not do so at present. It is reported to be very questionable whether the claim of the Government has any basis.

Bassat el Yarak is a swamp. The total area is 2,500 dunams. The right to cut reeds in the swamp is sold annually. There are claims to grazing rights by certain Arab stockbreeders. It is stated that the swamp is not capable of economic drainage.

Basset el Mulabbis is already leased to the Jewish colony of Petach Tikvah. There is litigation in progress on the subject of the *Jaffa sanddunes*, which cover an area of 35,000 dunams. These are, of course, largely uncultivable. An area of 21,000 dunams is earmarked for lease to the Jewish colony of RishonleZion, subject to the result of the action in court.

The Ahata property, 15,000 dunams, lies on the road from Jerusalem to Jericho, in the ravines of the Judaeen Hills. The ownership is disputed. The whole area is uncultivated and the major portion uncultivable.

There is a large area of land in the *Jericho Chiftlik* and *Es Suwaideh*, *Ghambeh* and *Jahayyer* lying between the Dead Sea and Jericho. Apart from the area irrigated from the Ain Sultan, there is only a small area of this land at present cultivable, and considerable development will be necessary to render any portion of it fit for cultivation. Irrigation is essential.

Of this area, 11,000 dunams were offered to Jewish organizations, but were refused as unsuitable.

Ain Feshka, on the Western shore of the Dead Sea, is uncultivable. The land is highly saline.

Near Gaza there are 6,000 dunams of sanddunes, included in the list of Government properties. There is at the moment an action in Court on the question of ownership. These sanddunes are in the main uncultivable and the tract is the site of the New Gaza.

The above deals in detail with all the Government properties to which the Jews have laid claim. Had different action been taken in the case of the Huleh Basin and the Beisan Lands, doubtless some portion of the demand could have been met. It is clear, however, that of the land which remains with the Government at the present time the area is exceedingly small, with the exception of tracts which, until developed, are required in their entirety for the maintenance of the Arabs already in occupation. It cannot be argued that Arabs should be dispossessed in order that the land should be made available for Jewish settlement. That would amount to a distinct breach of the provisions of Article 6 of the Mandate.

There will be an addition to the area of Government lands, and possibly a material addition, as the settlement proceeds and areas of Mawat are determined. Meanwhile the general idea that the Government has command of large areas which it could, but will not make over for Jewish settlement is far removed from the facts. This myth is based on a tradition of disappointment because of the action of the Government of Palestine in regard to the concession of Government lands in the Huleh Basin, and to the settlement of the area covered by the Ghor Mudawwara Agreement with the Arabs in possession of that area.

CHAPTER VI.

The Position of the Fellaah.

Available information. The present enquiry has fortunately occurred at a time when the question of the economic position of the fellah has formed the subject of two serious investigations. The first of these has been made by a Commission appointed by the Administration which, after a detailed enquiry into the position in 104 representative villages, submitted its report to the Government on July 3rd, 1930. The results of the second are recorded in a volume by Dr. Wilkansky, head of the Zionist Agricultural Experimental Station of TelAviv. This volume is not yet published in English, but the proof sheets have been made available by the courtesy of Dr. Wilkansky for the purposes of this enquiry.

Area of cultivable land occupied by the Fellaah. The question of the cultivable area of Palestine has been examined in another part of this report, and the estimate of the Director of Surveys has been accepted as the most reliable available estimate. He puts the cultivable area of the whole of Palestine, including Beersheba, at 8,044,000 dunams. For the purposes of the present enquiry the Beersheba tract as to whose area little is in fact known, and which depends on an erratic and insufficient rainfall is omitted, and consideration directed to the cultivated areas in the Hill country and the Five Plains which have already been described. The total cultivable area of these two regions is 6,544,000 dunams. Of these at least 900,000 dunams are already in the possession of the Jews.* There are thus 5,644,000 dunams available for the Arabs at the present time, t This

figure differs materially from the figure quoted by the Commission on the Disturbances on p. 113 of its Report, and used in the arguments on pp. 120 et seq.

* The total Jewish holdings are reported at 1,250,000 Turkish, i.e., 1,149,000 metric dunams. Allowing 20 per cent, for uncultivable land, the remainder will exceed 900,000 dunams.

f There are some areas held by German colonists and certain ecclesiastical authorities, but they are comparatively so small that they need not be taken into account in this calculation

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The " Lot viable ". On pp. 120 and 121 of their Report that Commission writes as follows :

" Now, the area of land required to support the average family must vary with the fertility of the soil. From evidence given before us it would appear that where the land is used for the purpose of growing cereals the area which will provide a living for an Arab' family varies from 100150 dunams. No other figures were put forward from the Arab side, but Dr. Ruppin informed us that the average area of a Jewish colonist in the old wheatgrowing colonies in Lower Galilee is 250 dunams, in the Zionist settlement in the Plain of Esdraelon with dairyfarming it is 100 dunams, and in the Coastal Plain, where orange growing is the principal occupation, it is 1020 dunams.

" From the figures given 'by the experts who were appointed by the Joint Palestine Survey Commission and who visited Palestine in 1928, it would seem that the average Jewish holding of land in the Zionist colonies is today 130 dunams. These gentlemen found that few of the Jewish colonists were able to make a satisfactory living on their present holding. The experts were of opinion that in many districts the area oft the average holding should be increased."

The joint Palestine Survey Commission, at p. 67 of their report, write the following :

" Palestine experience shows that a dry farm should have from 40 to 80 acres, whether in the Coastal Plain or in the Emek, and that 60 acres is a safer limit than 40."

That is to say that in their opinion, the absolute minimum for a farm in either of those two areas is 160 dunams and that 240 dunams is a safer minimum than 160. It will be remembered that the Emek is looked upon as one of the most fertile regions of the country.

The " Lot viable ", the holding necessary to support its occupants in a reasonable standard of life, varies of course with the class of land of which the holding consists. Not only is there a wide difference between the unirrigated holding necessary for this purpose and the similar irrigated holding. Among dry holdings some are much more productive than others. For this reason it is impossible to fix any holding which might be taken as the standard holding in irrigated and unirrigated tracts respectively. Although it is true that no such standard holding can be taken, it is well to arrive at an approximate average holding for lands of various kinds. Many such averages have been suggested, and have been treated as to a certain extent authoritative.

The question of appropriate holdings in the various zones and for different types of farming have been discussed at length in a " Key for the Settlement of Various Zones in Palestine ", being the reports of the Preparatory Commissions appointed by the Zionist Organisation to consider the question of the preparation of the land for the settlement of Jewish immigrants. The Key was, it is understood, written by Dr. Wilkansky. On p. 6 the unit area of the ameliorated colonies on

nonirrigated heavy soil is fixed at 200 to 250 dunams, though a few may be as small as 160 dunams. On pp. 16 to 20 is discussed the unit of an improved farm of fixed system. The basis of the farm is dairying, and it is assumed that the settler is supplied with six cows. For such a farm the unit required is 130 dunams. It is added : '' With land not so well improved it will be necessary to add 1020 dunams according to the fertility. In certain districts, therefore, the unit area will have to be increased to 140150 dunams ''.

Again, on p. 37, there is an estimate of the area required for a farm in the stage of transition, that is to say, when it is being improved for the reception of the settlers. At that stage one settler's family is put on to a double farm. When it is improved he retains one half and a second family is installed on the other half. The total area of the farm is 280 to 300 dunams, the size of the individual farm, again a dairy farm, being from 140 to 150 dunams. For a heavy soil farm, entirely irrigated and to support 8 cows, the area is estimated at p. 42 of the Key to be 25 dunams. Finally, at page 44, an estimate is given of a typical farm in a dry grain section, with 10 dunams of irrigated land, and the area required is found to be 80 dunams. Here again the basis is dairying, with four cows. In all the cases dealt with in the Key, the lot is so calculated as to be workable by the members of the family without any outside assistance. In all cases also the basic industry is dairying and the farm is planned for the feeding of cows. The anticipated yield of milk is in each case considerably higher than the milk yield of the common country cow.

An interesting piece of evidence on the subject of the '' lot viable '' is contained in the negotiations between the Administration and Mr. Ben Zvi of the General Federation of Jewish Labour, on the subject of a grant of land at TelArad for Jewish exservice men. An area of 200 dunams per settler was demanded. It was pointed out by the High Commissioner that in other cases 70 dunams had been granted to settlers. Mr. Ben Zvi maintained that this was where there were plantations and that the P.I.C.A. allowed 250 dunams for each family. Later he stated that 200 dunams was the minimum that would suffice for a family and this basis was accepted.

Saleem eff Farah was of the opinion that 150 dunams of unirrigated land is the minimum which will support the family of the fellah in a reasonable standard of comfort.

In the Memorandum on '' Land and Agricultural Development '', submitted by the Jewish Agency, the question of the lot viable in various areas is dealt with. In the Emek it is calculated at 100 to 150 dunams. Where water is available, the area can be reduced at the ratio of one dunam of irrigated soil to four or five dunams of dry soil. In the '' Key '' to which reference has been made above, Dr. Wilkansky considered one dunam of irrigated soil as equivalent to three dunams of unirrigated soil. In the Maritime Plain irrigated areas suitable for oranges can be settled on the basis of one family to 15 dunams, if only partly suitable for oranges one family to 22 dunams.

Dealing with the Huleh area the Memorandum of the Jewish Agency considers that 25 dunams of irrigated heavy soil or 22 dunams of irrigated light soil should be sufficient for a holding.

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Mr. Hankin, on the other hand, considered 40 dunams, of which half irrigated, as the correct holding. The experts of the Jewish Agency are of the opinion that 25 dunams are sufficient in the case of the Beisan and Semakh lands if irrigated, and recommend 86 dunams of unirrigated and 14 of irrigated in that area. On the slopes and the heights to the north of the Haifa Semakh railway line they consider 150 dunams necessary. For the Lower Jordan valley a standard holding of 21 dunams is suggested. This suggestion is made tentatively and admittedly without close detailed knowledge.

The most surprising suggestion on this question of the '' lot viable '' is contained in an Appendix to the Jewish Agency Memorandum, supplied by Dr. Joseph Weiz. He deals with the Hill country and alleges that the area that can be cultivated is 5,137,495 dunams. This compares with the estimate of the Director of Surveys of 2,450,000 dunams. The basic lot should, he suggests, consist of 30

dunams, 10 dunams containing olive and fig trees, eight containing fruit trees, seven containing grapevines, and five occupied by the farmyard and vegetable patch. By arranging in this manner he concludes that there would be room for a further 74,000 families in the Hills. It is difficult to take the proposal as a serious contribution to the study of this important subject. That Dr. Weiz has his doubts may be concluded from the last sentence of his note :

" Even if a further reserve of 60 per cent, is made, it would follow that there would be room for the additional settlement of 35,000 families in the Hill country during the next thirty years."

The report of the Committee on the Economic Condition of Agriculturists records the opinion, at page 32 of the report, that : " To provide the minimum cost of living for a family, a holding of 75 dunams seems to be necessary for an ownercultivator while a tenant requires 130 dunams."

This opinion was arrived at on a consideration of the gross return from the holding at the prices of the years 1924 to 1928. As has been shown elsewhere, presentday prices are but 50 per cent, of those adopted by the Committee in arriving at its deductions.

A detailed investigation was made into the conditions in the village of Beer Zeit, in the Hill country, for the purpose of this enquiry. Of the cultivation 27.4 per cent, consisted of olive groves 8.2 per cent, of figs and other fruit trees, 17.8 of vines and 46.6 of cereals. It was found that there were 180 families in the village, that the " lot viable " was 112 dunams, and that the village could only provide holdings of that area for 65 families. There were therefore 115 families in excess of the number which the village could actually support. The total debt of the village amounts to ;£7,000, an average of about .£39 per family. The sources of maintenance beside cultivation were remittances from persons who had emigrated to America from the village, daily labour in the village and elsewhere, and additional borrowing from

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the moneylenders. And Beer Zeit is regarded as a village above the average of Hill villages in prosperity.

Conclusion. It is clear that in unirrigated land the " lot viable " is not less than 130 dunams, unless command of considerable capital enables the tenant to maintain a dairy herd of foreign or crossbred animals, in which case in the richer tracts, the holding may possibly, but questionably, be reduced to 100 dunams. Where irrigation is available and where dairying is possible, the holding may be reduced to 40 dunams of which half irrigable. Where plantations are established the " lot viable ", at present prices of Jaffa oranges and bananas, may be placed at 15 to 20 dunams.

Economic position of the fellah. Evidence from every possible source tends to support the conclusion that the Arab fellah cultivator is in a desperate position. He has no capital for his farm. He is, on the contrary, heavily in debt. His rent is rising, he has to pay very heavy taxes, and the rate of interest on his loans is incredibly high. On the other hand, he is intelligent and hardworking, and pitifully anxious to improve his standard of cultivation and his standard of life. And very little has been done for him in the past.

Distribution of available area. It has been shown that there are about 61,408 fellah families who cultivate some 5,644,000 dunams of land. This gives an average holding of 91.9 dunams per family. It is true, as pointed out in the memorandum of the Jewish Agency on the Report of the Commission on the Disturbances, that there are a number of Arabs who cultivate orange groves and vegetables. Their number, however, is not material to the argument and may be set off against the reduction in the area due to the German villages and to a certain area of agricultural land held by some of the churches.

The enquiry of the Commission on the Economic Condition of Agriculturists in 104

villages resulted in a very different estimate. In the cases of 16,633 families it was found that the average holding was 75.00 dunams per family. It was also established that of 23,573 families resident in those villages only 5,477 farmers live entirely from agriculture. Of these 3,873 hold over 240 dunams and 1,604 from 120 to 240 dunams. Not a single farmer who held less than 120 dunams was able to live on the produce of his farm without outside employment, and of 3,261 Holding from 120 to 240 dunams 1,657 found it necessary to procure employment in addition to their farming, in order to maintain themselves and their families. From this it is quite clear that 120 dunams is not a lot sufficient to support a fellah family with cereal cultivation. This bears out the opinion of the Experts quoted by the Commission on the Disturbances on p. 121 of their Report, to the effect that the area required for a holding varies from 160 dunams per family in good soil suitable for dairy farming, to 320 dunams in the less productive soil of the cereal growing districts. In fact the average existing fellah holding is insufficient to maintain anything like a decent standard of life.

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The requirements and standard of life of the Fellah. The life of the fellah is one of great struggle and privation. The Director of Education, in the course of a note, makes the following remarks : " The economic state of the agricultural population is desperate. Hardly any Arab village exists which is not in debt. The fellahin are so overtaxed that they find great difficulty in paying the tithe. Moreover, after an excellent harvest, they are unable to sell their corn or barley or oil. In 15 villages recently visited by the writer in Galilee, the same desperate state of affairs was evident. Money is so scarce in some places that the people purchase the necessities of life by barter, and they cannot pay the tithe without further borrowing. This means increasing their already overwhelming debt to the moneylender ' We have been struggling in deep water for several years, and very soon the water will close over our heads ' was the statement made in one village, which may be taken as typical of the state of mind in every village

" If the state of the Arab fellah is to be improved, and it is evidently one of the most important problems which face the Administration in Palestine, his children must be given an education which will help them to avoid falling into the situation in which the present generation finds itself today."

Dr. Wilkansky writes as follows :

" The diet of the fellah is poor and monotonous. His staple food is ' pittah,' [cake of unleavened bread] which he makes every day. A few pittahs, with onions or radishes form his morning and midday meals. A cooked meal, called by him ' tabiach,' is only prepared for him in the evening. It consists of the herb ' hubza' flavoured with onions and pepper. When tomatoes are in season he eats tomato salad flavoured with pepper. Pepper and oil are his two condiments. Most of his requirements are provided by his own fields, and he buys but little outside The fellah uses very little meat. For entertaining visitors he will kill a sick sheep, or some sick fowls. They also have meat when an ox or a camel falls ill beyond recovery. They then kill the animal and treat the members of the village with a portion of the flesh. . Sometimes with the money which the woman obtains in the market from the sale of fowls, cheese and eggs, she purchases a pair of trotters, a head or so forth, from which she prepares a special treat on returning home."

The Fellah's capital. The fellah may or may not own his land but he has no free working capital. The amount invested in his farm is detailed by Dr. Wilkansky as follows : „

Oxen, or a camel	15 to 20
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1 ass	3 to 4
1 plough	0.40
1 threshing board	0.60
2 wooden picks	0.15
1 iron pick	0.20
7 sacks for straw	0.60
1 scythe (sickles)	0.10
1 yoke or pole	0.60
Ropes for binding	0.30
2 sieves	0.25
Total	£21.20 to 27.20

In addition he may have 20 sheep worth £1 each, a cow worth £6£10, a goat worth £0.80 to £1, and 30 fowls £3 to £4, making a grand total of £51 to £62.20.

The fellah's plough. It is a common impression that the fellah's cultivation is entirely inadequate, and a good deal of ridicule has been and is poured upon the nailplough which he uses. In the stony country of the Hills no other plough would be able to do the work at all. With regard to the use of that plough, Dr.

Wilkansky writes :

" The Arab plough is like the ancient Hebrew plough Its distinguishing characteristic is that it cuts the surface soil and does not turn it up. It performs, very slowly, it is true, but very thoroughly, all the functions for which a combination of modern machines is required a plough, a roller and a harrow. Its great virtues are that it does not bring up clods, that it does not press or crush the moist earth, but flits as it were over the ground with its coulter which resembles a duck's foot in its base, and that it penetrates the ground with its point, which is sharp and long like the head of a spear. It produces the requisite loose and broken crust by itself, without the aid of other implements. But the ploughing of the fellah is above reproach. His field, prepared for sowing, is never inferior to that prepared by the most perfect implements, and sometimes it even surpasses all others. The defect lies only in the slowness, which calls for modification in order to adapt the working process to the rate of speed in our time."

The fellah as a cultivator. The fellah is neither lazy nor unintelligent. He is a competent and capable agriculturist, and there is little doubt that were he to be given the chance of learning better methods, and the capital, which is a necessary preliminary to their employment, he would rapidly improve his position. Meanwhile, however, the income which he can procure from his inadequate farm is insufficient to maintain him in a decent standard of comfort and leaves no margin whatever for improvements.

The method on which the average cereal farm of the fellah is worked is that the holding is divided into two areas. In one of the areas he sows his winter crops, while the other lies fallow. In this fallow portion, in the spring, the summer crop is sown; in the former portion, after reaping the winter crops in May and June, the land lies fallow until the following spring, when the summer crops are sown. In the latter portion, after the reaping of the summer crop, the winter crop is at once sown. Thus in each portion two crops, one summer and one winter, are taken in two years.

The return from the fellah's farm. The return from a farm of 120 dunams is very small. The gross income is estimated at £40, of which £10 is payable as tithe,

leaving £30 for the family expenses of the year. (Mr. Smilansky's pamphlet : " The Jewish Colonisation and the Fellah "). Dr. Wilkansky has made a detailed estimate of the income and expenditure of an ordinary fellah on a holding of 80100 dunams in his work on " The Fellah's Farm," to which reference has already been made. This estimate and estimates contained in the report of the Committee on the Economic Condition of Agriculturists are included in Appendix 18.

In connection with Dr. Wilkansky's estimate it is to be remarked that nothing is shown as payable for rent, also, that income is shown from milk, but nothing on the expenditure for the feeding of the cow. The balance available for personal expenditure of the whole household for a year is 185. This sum has to meet all luxury expenditure, including expenditure on the purchase of meat and this for five or six persons.

Deductions from the figures supplied by 104 milages. In the enquiry conducted by the Committee on the Economic Condition of Agriculturists, returns were made showing the gross income declared as received from all sources in the 104 villages in question. This declaration was revised by the Committee on the basis of average prices of the previous four years taken in 1928 for the purpose of commutation of the Tithe. In the Committee's estimate also the total produce reported by the villages was revised to agree with the average yields per dunam used for the commutation of the Tithe. The returns thus calculated given in that Report are appended to this Report in Appendix 13. Prices have fallen very materially since the commutation of the Tithe in 1928, and a calculation has been made of the gross income of the 104 villages, applying the prices prevailing in May, 1930. The sum reached is £306,043, as compared with the declared return of £301,999, and the Committee's calculation of £483,600. The yield accepted by the Committee has been taken as the actual yield for the purposes of the new calculation. That on which the declaration was based is considerably smaller. (For yields, see Appendix 24.)

On the figures adopted by the Committee the gross average yield of 100 dunams of field crops only amounts to £51. On the revised figures now calculated it is £32.

The above figures refer only to the income from the field crops. From fruit trees, stock, dairy produce, poultry and other village sources, and from transport and labour outside the village there was a declared income of £242,882. This figure was examined in detail by the Committee. They have raised it to £420,070. They have, however, continued to take the prices on which the Commuted Tithe was based rather than existing prices. For instance, they estimate the value of oliveoil at £53 a ton, while the present price is but £33 a ton. Making an adjustment on this account a figure of £388,373 may be accepted as the income from other sources than crops. Thus the following result is reached :

Declaration made by the villages as total income	544,881
Income as calculated by the Committee ...	912,670
Income as now calculated ...	694,416

The gross income per family on the above totals works out at £P.23.050, £P.38.350, and £P.29.20 respectively. Out of this amount has to be met (a) expenses of production, estimated by the Committee at £P.22; (6) Taxes, calculated at £P.5; (c) The maintenance of the fellah and his family. The household expenditure is shown by Dr. Wilkansky to be £P.49.50. In none of the cases, therefore, does the total income cover the essential expenses of the cultivator.

The fellah's debts. In addition to these facts it must be borne in mind that the average holding of 104 villages is not 100 dunams, but 75 dunams, and that the average debt per family amounts to £P.27, on which the rate of interest of 30 per cent, is usual, that is to say, that for interest alone the family must pay £P.8 per annum. The rate of 30 per cent, is regarded as quite reasonable, and is indeed

exceeded in many cases. It is a usual practice for the moneylender or the merchant to make an advance on terms known as "asharahamastash," which means that a sum of £P.10 advanced at the time of sowing is repaid by a sum of £P.15 at the time of harvest. Another common arrangement is interest at the rate of Is. in the pound per month.

Legal rate of interest. In regard to this question of interest, it is true that the legal rate of interest is 9 per cent, per annum. This law is a dead letter. There are many obvious methods of evasion, and even were there no such methods, no fellah would dare to defend himself by means of this law, as he would unquestionably close to himself the door of the moneylender for ever. Without the moneylender he cannot live.

Financial situation of the Fellah. As to the financial situation of the Arab farmer the Committee on the Economic Condition of Agriculturists write :

" Up till the middle of 1929, the net income of the average agricultural family has been between £25 and £30, and the family has contrived to live on this income. It is clear, however, that there must have been many families less favourably situated, who have been obliged either to lower their standard of living or to fall into debt . . . many farmers now owe sums that are quite beyond their capacity to pay" At another place they write :

" We think that it may safely be assumed that, with very rare exceptions, every village can provide its own subsistence even if the standard of living may fall slightly below the figure we have estimated. The farmer is often perhaps habitually short of ready cash, but there is no evidence that he or his family are ever without sufficient food for their subsistence"

It should be remarked that between the middle of 1929, to which period the Committee refer in discussing the net income of any agricultural family, and the month of July, 1930, the price of agricultural produce fell heavily. In the graph appended to this report (No. 1) it is seen that the price of wheat fell in the twelve months in question from £11 to £6 per ton, that of barley from £5 to £3, and that of durrah from £8 to £4. The net income of the family cannot therefore now be regarded as £P.24 or £P.30. It has reached vanishing point. The calculation of the Committee showing that the net return of 100 dunams to the ownercultivator is ;£P.35.200 and to the tenant £P.20, has been revised on the basis of the prices of July 1930. The calculation is contained in Appendix 15 to this report. The result shows a net return of d6P.11.800 mils in the case of the ownercultivator and £P.3.600 mils to the tenant.

From this the interest on debt on the average not less than ^8 per family clothes for the whole family, and all other living expenses, must be met. It is no exaggeration to state that the fellah population as a class is hopelessly bankrupt.

Commutation of the Tithe and the result of the fall in prices The position of the Arab cultivator has always been one of extreme poverty, but there are at the present time certain circumstances which render it more desperate than has been the case in the past. In the year 1928, steps were taken to commute the Tithe. This payment was based on the average yields and prices of the four preceding years. Since that time there has been a progressive fall of prices of agricultural produce. (Vide Appendix 14.) During the present year the fall has become more rapid and more pronounced. As a result, the Arab cultivator has now to sell, not one tenth, but one fifth of his crop in order to pay the Tithe in cash. Indeed, in many cases the amount is more than one fifth for the prices for commutation of the Tithe were based not oil prices of the village but on those of the market town, and the two rates vary largely. In addition, the price of sale is lower than the price of purchase, and the price of forced sale is still lower. At the time of this enquiry actual prices of sale were in certain cases extraordinary. Villages found it exceedingly difficult to sell at all, and there was an established case

reported in which barley was sold at Gaza at £P.2 a ton, when the quoted market price was ;£P.3.100, itself a price exceedingly low.

Diminution of the. size of holdings. There is also a progressive diminution in the areas of the holdings; in every village visited there were complaints on this score. Portions of the holdings have been sold either to pay off debts or to pay the Government taxes or to obtain the wherewithal to keep the family alive. The population of the villages is increasing faster than in Turkish times, owing in large measure to the cessation of conscription. There is consequently increasing competition for land, and division of holdings among the increased number of members of the family.

Rise in rents. Rents are rising; those who wish to rent land find it difficult to obtain it, and offer rents which frequently cannot be paid and yet leave a surplus for the maintenance of the family in a standard of reasonable comfort. Cases were reported in which fellahin who desired to obtain land offered 50 per cent, of the produce, the landlord paying the Tithe. The Committee reports that the commonest rent is 30 per cent, of the produce, the tenant paying the Tithe, or 40 per cent., the Tithe falling on the landlord. Money rents are now beginning to appear in some parts of the country, as was to be expected as a consequence of the commutation of the Tithe. These rents vary from about 50 mils to 250 mils the dunam. The most common is 100150 mils (i.e., 2s. to 3s.). Above it has been reported that the gross income from 100 dunams of field crops is £32 at present prices. At 3s. a dunam the rent would be £15 for 100 dunams, that is, equal to about 47 per cent, of the gross income. One case reported has reference to land owned, but not yet settled, by Jews, of which Arab tenants in an adjoining village rent 5,600 dunams. Up to the year 192627 the cultivators paid 20 per cent, of the produce in kind. Since then, the lease has been put up to public auction and in 192728 produced £260, in 192829 £400, and in 192930 £525. It is not suggested that the rent is even now excessive, but the rise of more than 100 per cent, in the past three years demonstrates the amount of competition that exists for land.

Warrants and imprisonment for debt. A further symptom of the economic position of the Arab cultivator is found in the number of cases in which it is necessary to issue warrants for debt. Attempts were made to collect information on this point, but it has been found difficult to concentrate figures. The Supreme Court gave information with respect to warrants issued for debt in all districts during the first two months of the present year, except in the district of Jaffa, for which the figures were not available, and the actual imprisonment figures for Haifa, which were not reported. The statement is therefore not complete, but even so it shows that in the two months in the area included in the return 2,677 warrants were issued for debt and 599 persons imprisoned.

A report on this point was received from the Director of Agriculture in respect of the Haifa district for the past year. From this it appears that in the Magistrates' Court at Haifa alone and for the Subdistrict of Haifa, with a population estimated at 67,800, there were heard 8,701 proceedings for debt, issued 4,872 orders for execution and filed 2,756 applications for imprisonment for debt. Assuming that the average family consists of 5 persons, the total number of families in the Subdistrict was 13,560. The execution proceedings taken were thus in number equal to 64.2 per cent, of the number of families of the Subdistrict. According to the census of 1922 the Jewish population represented less than 20 per cent, of the population of this Subdistrict.

Taxes on agriculture. The taxes paid by agriculturists are :

- (1) The Tithe.
- (2) The Werko.
- (3) The Animal Tax.

In addition the agriculturist pays indirect taxes upon imported goods which he

purchases, and fees on registration when land is transferred.

*Tithe.*1. The Commuted Tithe has now replaced the tithe, except in the case of a small number of Bedu tribal areas in the Beersheba Subdistrict, where the Tithe at the rate of 10 per cent, of the produce of the land is still collected in money. As has been noted above, the commutation of the Tithe was carried through in 1928. In Appendix 14 of this report the market prices of the chief crops during the four years of which the prices formed the basis of commutation, the rate adopted for conversion and the market rate of July, 1930, are shown.

*House and Land Tax.*2. The Werko is the house and land tax, authorised by the Ottoman Law of 5th August, 1886. It is assessed on capital value, and at various rates which are shown in Appendix 16. The rate on lands subject to Tithe, and on ordinary farm buildings is 4 per mille. An addition to this tax aggregating 41 per cent, on buildings and 56 per cent, on lands was levied from time to time by Ottoman Decree, and is still collected, except in the case of buildings and lands reassessed since 1919.

*The Animal Tax.*3. The Animal Tax is imposed per capita once annually at the following rates :

Sheep and goats	48 mils.
Camels and buffaloes	120 mils.
Pigs	90 mils.

Camels and buffaloes used solely for ploughing are exempt from the tax. Double taxes are charged on all animals not declared by the owners at the time of enumeration.

*Recovery of taxes.*The following note was prepared by the District Officer of Jaffa on the question of the taxation of the fellah.

" The information given at Lydda, that sometimes a man's whole crop is attached for taxes is correct. The further statement, however, that he is prevented from selling a part of it in order to redeem the rest needs qualification The crop of the villager is the only thing that a revenue officer can find if he wants to attach for taxes. This crop can be got hold of only before threshing. . . . The only way to do this is to place a guard during the time that threshing is going on. This guard fully gives the impression that no crop may be disposed of before the tax is paid. He is, of course, kept at the expense of the defaulters, and his wages are an additional burden. Rather than pay these wages the defaulters often incur debt in order to pay off the tax and get rid of the guard. The impression therefore remains that attachment could not be removed until the whole tax is paid. In fact the villager finds a great deal of difficulty in threshing, and then selling just a part of his crop while attachment is going on at his expense. To deal with a small crop in bits is not easy, nor is the disposal of it in small quantities easy. It means a special journey to town, where he may have to spend a day or two before he can sell and get his money In many cases, the only way out of it has been to incur debt In conclusion, I feel it is my duty to mention a frank opinion in regard to the collection of taxes in the villages I believe that at least 50 per cent, of the rural population, on account of their very small incomes, which do not exceed £30 per annum per family of six persons, ought to be relieved from all taxation. To such persons the price of crops is immaterial, as they have practically nothing surplus to sell. The villagers have in these cases paid, by allowing themselves to suffer privations or by incurring debt I am thoroughly convinced that if these villagers were to refuse payment and say we are sorry, but we would pay if we only could ', we should

find ourselves totally unable to collect the taxes by legal methods. This is a point which deserves the serious consideration of Government I submit therefore that it is essential that a minimum be exempt from taxes with as little delay as possible. The amount which these villagers pay is not great, but in proportion to their income it is excessive."

The above has been quoted at some length, as it is typical of the complaints and proposals made in every quarter. The holding of the fellah is so small, and his outturn so exiguous that the agricultural tax falls on him with special force. And this is aggravated by the present fall in prices. Everywhere this year the small cultivator has had to borrow in order to pay his taxes, when he has paid them. In very many cases he has found it impossible to pay them at all. The arrears of agricultural taxes are very heavy. In Appendix 17 a statement of these arrears is shown. It gives a total of £238,000.

Taxation: Remedial measures. Of the seriousness of this question of agricultural taxation evidence is afforded in the Report of the Committee on the Economic Condition of Agriculturists. The Committee found that the Tithe and Animal Tax together amounted to 19 per cent, of the net return from the use of land. The net return was reached by deducting from the assumed gross return the cost of production and the rent. But in arriving at the figure of net return they used prices of the Tithe commutation which are admittedly double those of the market today. The incidence of taxation would therefore be much higher if today's prices were applied. In fact, the Tithe, in place of being 10 per cent, of gross income, as it was at the time of commutation, is today actually 20 per cent, of the gross income.

Government action to relieve the burden of taxation. The whole question of taxation is at present engaging the attention of the Palestine Government. At the moment the burden is not adjusted to the various classes of the community in accordance with their ability to pay. It is intended to replace the Tithe and the Werko by a land tax fixed in accordance with the quality of the land. The settlement is being carried out with this intention. Until it is possible to impose such a tax, the Tithe should be entirely remitted, if feasible. If it is found financially impossible to grant this measure of relief, as a temporary measure it might be possible to vary the Tithe in accordance with the variation of the market prices of agricultural produce. As at the present time these prices stand at about half of the prices at the time the Tithe was commuted, the relief so afforded would amount to about 50 per cent.

THE BEDUIN POPULATION.

One of the problems of land administration in Palestine lies in the indefinite rights of the Beduin population. The problem was discussed by Mr. Snell in his Note of Reservations at pp. 177 and 178 of the Report of the Commission on the Disturbances. His examination does not lead to any specific recommendation and it is indeed exceedingly difficult to arrive at any definite conclusion on the subject of the treatment of the Beduin.

Of these nomads there were estimated to be 103,331 belonging to five main Tribes and 75 subTribes at the time of the census of 1922, but it is generally agreed that this figure is inaccurate. The majority of these Beduin wander over the country in the Beersheba area and the region south and east of it, but they are found in considerable numbers in the Jordan valley and in smaller numbers in the four other plains. Their rights have never been determined. They claim rights of cultivation and grazing, of an indefinite character and over indefinite areas. Mr.

Snell recorded that they have established a traditional right to graze their cattle on the fellah's land after the harvest. In the region which they regard as their own, they divide the country among their various tribes, and in the tract recognised as the sphere of a tribe, the Sheikhs or the Tribal Elders divide the individual plots among the families of the tribe.

The position is unsatisfactory. If, for instance, artesian water were discovered in the Beersheba area, there is little doubt that claims would immediately be urged, by the tribes of the Beersheba tract, to the land commanded by that water. The Beduin are an attractive and a picturesque element in the life of the country, but they are an anachronism wherever close development is possible and is desired. At the same time their existence cannot be overlooked. In any solution of the Palestine problem, they are an element which must be recognised. Also in any plans of development it will be necessary carefully to consider, and scrupulously to record and deal with their rights

Complaints are made by these people in respect of the Jewish settlement both in the Vale of Esdraelon and in the Maritime Plain. A deputation of the Sheikhs of the Beersheba Subdistrict stated that they had been in the habit of taking their stock up to the North of Palestine during the summer months when there is no grazing in the South, and that it had been their invariable custom to graze their flocks and herds on the stubbles after the harvest had been carried. This allegation is generally characterized as baseless, but in the report of the Department of Health for the year 1929, it is recorded that Beduin Tribes from the Beersheba District were " heavily infected " with malaria, " during their migrations up the Jordan Valley." It is also known that they bring their flocks of camels up to the tract north of Jericho during the calving season. It is also true that a few years ago when there was serious drought! in the South of Palestine, very large numbers of animals belonging to the Beduin were transported to the North of Palestine, where they were allowed to graze.

At the time of inspection of the Wadi Hawareth lands a large number of Beduin tents were found in that area. It was stated that their migration to this region is a new departure and is connected with the attempt to defeat the efforts of the Jews to colonize that tract. This information comes from Jewish sources. From Arab sources it was alleged that the migration was annual, in connection with the summer grazing.

Their rights in the Jordan Valley will require careful enquiry before any scheme of development and settlement is undertaken in that area. If rights are established, and the tract over which they extend is necessary to the scheme, the Beduin must be compensated for the loss of those rights. The future of the Beduin is a question bristling with difficulties and by no means free from anxiety. It must be faced and a definite policy adopted. Otherwise there is always the danger that an outbreak may occur over some trivial and casual circumstance. It is impossible to anchor these people in houses or in villages. It may be that the only possible policy will be to create for them a reserve, which will be apart and excluded from the area designated for development.

CHAPTER VII.

Agricultural Development.

A. EXISTING AGENCIES.

Jeioisli Agencies for agricultural development.

The Experimental Station. One of the important and progressive branches of Jewish activity in Palestine is the scientific development of agriculture. The Experimental Station of Tel Aviv, with its extension farms in various settlements in the country, is not only engaged in research work of the highest value to Palestinian agriculture in general, but it is also the centre of agricultural instruction for the Jewish settlements. The Institution was founded in 1922, and since that year some £85,500 has been spent on its equipment and maintenance. It is staffed by 40 scientists, has three laboratory divisions (Plant Pathology, Entomology, Agricultural Chemistry) and seven field divisions (Agronomy, Plant breeding and Variety testing, Horticulture, Horticultural breeding, Farm

Management and Eural Economics, Dairy husbandry and the Extension Division).

The Extension Division. The Extension Division is of great importance for practical agriculturists. It not only maintains demonstration fields, but also nine district instructors under a chief of division. The services of these instructors are available for any of the settlers who desire to refer to them. In the division of dairy husbandry the Institution is carrying out experiments in conjunction with the Empire Marketing Board on the questions of the uniformation of the herd, of the substitution of other feeding stuffs for milk in the rearing of calves and of the proper feeding rations for cows and calves.

The Hebrew University. In addition to the Agricultural Experimental Station of TelAviv with its extension farms, agricultural work of a scientific character is also done by qualified research chemists and analysts at the Hebrew University of Jerusalem.

Department of Agriculture of the Palestine Government.

The third agency for Agricultural Development is the Department of Agriculture of the Palestine Government. This Department has done outstanding work in two practical directions in locust campaigns and in veterinary service, which has succeeded in stamping out the cattle plague. In both of these directions the work has been of untold value to the country. The Department has a very limited budget, and a criticism may be allowed that it has not the money requisite for practical demonstration work, work which is of particular importance in a country where agricultural practice is eminently backward.

The Agricultural Department is a composite Department, comprising the following services :Agriculture, Forestry, Veterinary, Horticultural, Entomological, Irrigation, Fisheries, Stockbreeding, Analytical, Sericultural, Meteorological. It also controls the Kadoorie agricultural schools, which were founded with funds left for the purpose by a generous and wealthy Jew.

Expenditure. The expenditure of the Department was £76,713 in 1929, and the estimate for 1930 was £77,054.

Relations with Jewish agencies for agricultural development. There is a danger that the Government services will overlap the services supported by Jewish agencies and the Hebrew University.

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This danger was early recognised by the Director of Agriculture, who wrote in 1921 :

" The need for elasticity was pointed by a comprehensive programme of agricultural research drafted by the Zionist Commission early in 1920. This undertaking promised to limit our financial responsibility if correlation of effort could be secured. It was consequently agreed at a Conference held in June 1920 that certain clearly denned branches of investigation should be left to the Commission's technical advisers It was nevertheless decided that as Zionist cooperation was assured at no distant date, certain emergency services should be created to meet existing needs, irrespective of final plans for an organisation entailing considerable capital expenditure and a permanent staff."

Insufficiency of Budget Allotments. At the moment, the Government services are hampered for want of money, and some of them are so poorly equipped with funds that it seems questionable whether their continuance is desirable. In the case of the Fisheries Service, for instance, and the Sericultural Service the major portion of the funds are spent in salaries. The former service costs £1,589 in

personal emoluments, and the balance of expenditure is £300 for the maintenance of a launch and £400 for investigations. The grantinaid for sericulture is £450, of which £300 is the salary of the expert. Similarly, in the stockbreeding service, salaries account for £3,651, while other expenditure amounts to £2,060, namely :

Forage	£ 360
Stockbreeding service	1,100
Purchase of stock	600

Budget. In the estimates for 1930 the total budget for agriculture and forests is £77,054. Of this the total of personal emoluments is £45,009, leaving £32,045 for other expenditure.

Development activities. From the point of view of the agriculturists, the chief activities of the Agricultural Department, apart from the locust campaign and the eradication of the cattle plague, which have already been mentioned, consist in the maintenance of the Agricultural Experimental Stations at Acre and Beisan, and the Horticultural Experimental Stations at Jerusalem and Jericho. The Beisan station is not fully utilised, owing to stringency in the budget. The Acre Station is an excellently organised insiitution and is reported to be visited by many interested cultivators. The Horticultural Stations both at Jerusalem and Jericho serve useful purposes, but in the case of .the latter financial resources do not permit of full development. The Department maintains a staff of peripatetic instructors. It also issues many leaflets.

The stockbreeding service. Its stockbreeding service provides purebred South Devon bulls for crossing purposes, and has now several bulls of the first cross. Some of these are very popular animals with the fellah cultivators. At the Acre station a number of purebred Arab stallions were imported from England in the hope

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of improving the local breed of horses. An outbreak of dourine put a stop to these operations. It is questionable whether the decision to import expensive stallions was sound. Where funds are so restricted the interests which should be preferred are those of the most needy, in the case of Palestine the ordinary fellah cultivator, not the larger man, who can keep horses of the purebred Arab type.

Poultry husbandry. One of the most highly successful branches of development throughout Palestine is in poultry husbandry. In all the Jewish villages large flocks of highgrade poultry are kept, chiefly White Leghorns and Rhode Island Beds. The poultry farm attached to the Acre Station of the Department of Agriculture is an outstanding instance of success. It is reported that this farm pays its way and affords a profit to the Department. It is of very great value to the villagers of the neighbourhood. Settings of eggs are sold at a reasonable figure, and each year hundreds of cockerels are distributed. The favourite birds are the White Leghorn and the White Sussex, both of which are easily acclimatised. It may appear that the introduction of an improved breed of poultry is a small matter. In the case of the fellah, however, every piastre is of moment, and the effect of this measure is of real importance.

The importance of the demonstration plot. There are certain directions in which the Department of Agriculture can be of very special use to the ordinary cultivators. The most important service that can be rendered is education by means of the demonstration plot, where the advantages of improved agricultural methods are brought home to him. It appears that a system of demonstration plots was at one time initiated by the Department, but that it was not successful. The reasons of failure should be considered, for plots of this kind have proved exceedingly useful elsewhere. In a country of smallholdings they are indeed the chief means of bringing the results of improved practice to the notice of the small cultivator. It is a mistake to believe that knowledge filters down in such countries from the estate of the large proprietor. The contrary is the case. The diffusion of practical knowledge of agriculture among small men can best come through

demonstration on holdings of the character which they themselves cultivate. *Scientific services.* The scientific side of agriculture is, of course, of immense importance. In Palestine, fortunately, it should be possible to obtain all that is required on that side by the use of existing institutions, and so to avoid duplication. There are competent chemists at the Experimental Station at Tel Aviv and at the Hebrew University of Jerusalem who are capable of any scientific enquiry that may be necessary for the country. It cannot be questioned that if the Government were prepared to offer to pay for work done or to furnish a grant-in-aid, these institutions would readily undertake any work that the Government may require. Palestine is such a small country that it is particularly inadvisable that institutions of a scientific character should

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overlap. Especially is this the case where money is not plentiful. The whole question deserves serious consideration, with a view to using the available funds to the best advantage, if necessary by reducing the number of services to those which do not duplicate services obtainable elsewhere, and by abolishing services for which adequate funds cannot be provided.

The distribution of trees. The Department of Agriculture has ceased to sell young trees from its nurseries to the cultivators. The reason given is that it is undesirable to compete with private enterprise. Private nurseries are almost entirely Jewish, though there is one well-known German nursery. The decision of the Department in this matter was criticised on many occasions, and the interference in private enterprise is in fact very small, as the fellahin would neither be willing, nor in most cases be able, to pay the price asked by the nurseries for trees. The importance of trees from the national, as well as from the individual point of view is so great that it is desirable to encourage planting by every possible means. So far from refusing the sale of seedlings in order to prevent competition with private enterprise the Department would be well advised to sell these seedlings at a nominal price or even to give them away, if by so doing the area under trees could be increased.

The Forest service. At present the Forest service is attached to the Department of Agriculture. This seems to be a mistake. It is undesirable to burden the Department of Agriculture with matters other than agriculture proper specially in view of the importance of agricultural development at the present time and the necessity of its extension. The Forest service is developing rapidly. There are now 704,000 dunams of forest reserve, and newly afforested areas are showing good promise.

Jewish plantations. The great possibilities of afforestation have been established by Jewish activities in this direction. There is a small Jewish village called Motza, close to Jerusalem, where a farmer of the name of Broza has planted an orchard, on what seemed to be sterile and barren rock. The trees and the vines have flourished, and what was a wilderness without vegetation of any kind is now a fine orchard producing a large income for its proprietor. The result is the more praiseworthy in that the planter received no assistance from any Jewish or other sources, but created the property by his own exertions. Another instance of development on the same lines is the orchard planted by the Zionist Organisation at Dilb. (Kiryath Anavin). The land on which that orchard has been planted was similar to that of Motza. The trees were not irrigated but they have succeeded wonderfully. A similar instance is to be found in the Jewish suburb of Beth Hakarem, close to Jerusalem, where a hillside which appeared to be hopelessly bare and arid is now covered with gardens containing trees of every kind. Everywhere the Jews are planting, and have planted trees, and there is no one of their colonies where this branch of agricultural activity is not in evidence.

B. EDUCATION

The Jewish schools. The first essential to any scheme of agricultural development in Palestine lies in primary education. The Jewish population is magnificently provided with educational facilities and nearly 100 per cent, of Jewish children attend Jewish schools. These are maintained by the Jewish authorities with the aid of a small grant from the Government, and it is a matter of common complaint in Jewish circles that this grant is limited to £20,000. It is based on the proportion of Jews to Arabs in the population of the country. The total expenditure on schools maintained by or affiliated with the Department of Education of the Palestine Zionist Executive for the year 1928/29 was £162,500. 227 schools were maintained, with 19,449 pupils.

The State schools. The education of the Arabs provides a very different picture. In the year 1928/29, the number of elementary schools was 308, of which 259 were in the villages. Of the schools in the towns 29 were girls' schools and in the villages 8. The total number of schools had decreased by four during the year. The number of pupils in the schools was 25,219. Of these 12,539, including 573 girls, attended village schools. The rural Arab population, excluding tribal populations, at mid 1930, was 478,390. It is impossible to determine with accuracy the numbers of children of schoolgoing age which are included in that figure. At the last census of the whole population, 37.1 per cent, were under 15 years of age. It is therefore safe to assume that at least 20 per cent, of the Arab population of the villages consists of children of school age. This would give over 95,000. Of these, as noted above, only 12,539 are taught, or 13.2 per cent.

The reason for this small number does not lie in any reluctance of the Arab to send his children to school. On the contrary, in every village complaints are made on the score of the inadequacy of educational facilities. Everywhere a demand for instruction is found, and that not only on behalf of the boys, but on behalf of the girls also. Far more applications for admission to existing schools are made than can possibly be accepted.

The Budget. No agricultural development is possible among the Arabs until steps are taken to remedy the present state of affairs. The educational budget for the year 1929 was £144,119, more than £18,000 below the budget of the Jewish organisation for the same year for the same purpose. Of this sum £139,789 were spent, and there was a saving of £4,330: a most unfortunate economy. It is clear that an expenditure very much more important than £140,000 is necessary if the Arabs are to be given a fair chance to improve their standard of life.

The necessity. The following is extracted from a note furnished by the Director of Education :

" With a rapidly increasing population, and a growing desire for more education, expansion in size and in the number of schools is not only desirable, but, in the interests of the people, absolutely necessary. The demand, however, has not been met, and the Arab population, not unnaturally, feel resentment against Government, the revenue of which is largely contributed by them, for not giving them what they desire, above all else, whereas the Jewish Agency, with the help of other organisations, has been able to provide almost universal education for Jewish children. The Arabs see in every Jewish colony a well-equipped school with a trained teacher, providing accommodation for every child of school age. They realise that without education they are precluded from social and economic progress Every year a larger number of boys and girls are refused admission to urban schools owing to lack of accommodation. In the rural schools, which at present are mainly confined to boys, more classes are needed and at least 250 villages, each containing a population of 300 or more, are not yet provided with any school. The demand for female education in towns is little less insistent than that for boys, and is increasing in the rural districts."

Its importance to agricultural development. Until facilities for ordinary primary

education are more general than is the case at present the fellahin will not be in a position to benefit generally by any special agricultural education that may be afforded. On the subject of agricultural education the Director of Agriculture has submitted a note, from which the following is extracted :

" Obstacles to progress in the agricultural education of the Arab cultivator are, in order of importance, insolvency, illiteracy, and absence of instructors of local origin with the necessary qualifications"

" The futility of urging on a bankrupt industry improved practice involving considerable capital outlay is at last being generally admitted. It is to be reported in an authoritative statement within the next few days that from a gross average income of £25 per annum the typical fellah is required to support a family of six, and contribute £8 as interest on unproductive loans Any hope for marked development of agricultural practice lies with the rising generation now being educated in recently established village schools."

" The agricultural school at Tulkarem represents the first institution of its character in Palestine available to the Arabic speaking population It is recognised, however, that the impression which could be ensured by the education of some 40 residential students would be quite inadequate to the demands of the situation. It is consequently proposed to afford all village schoolmasters in rotation a special course of 12 months' duration at the school, for the purpose of ensuring an agricultural bias to primary education in the villages."

Agricultural schools. The school to which Colonel Sawyer refers in the above extract owes its existence to a bequest by a wealthy Jew. This is a useful commencement, but it should be pointed out that the Arab agricultural population forms more than nine-tenths of the rural population of Palestine, and that this is the only school on which they must depend for their agricultural education. The Jews already have an agricultural school at Mikveh-Israel with

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accommodation for 160 students. They also have a school provided by the Kadoorie bequest and they have several agricultural training schools for girls, and a children's village where orphan children are taught agriculture. If the Arab population is to have opportunities of agricultural development on the same scale as the Jew, a score of large agricultural schools would have to be provided.

The village school and agriculture. The Department of Education has already introduced a system intended to encourage more modern methods in agriculture. It has attached to many of the village schools agricultural plots where practical work is done. It also teaches sericulture, fruit-farming, and beekeeping. At the present time this movement is hampered by the ignorance of the village teacher in agricultural matters and the whole of this branch of village education is dependent on a single supervisor, himself only partly trained.

' *Need for additional expenditure.* It is clear that the Government of Palestine must face very considerably increased expenditure on education, both primary and agricultural. As to the former, a plan should be worked out for expansion over a term of years. If the educational budget, at present standing at £150,000, could be increased by £15,000 a year for the next ten years, at the close of that period important progress would have been made towards the solution of the problem of primary education.

It seems desirable that the grant-in-aid to Jewish education should be increased proportionately with the increase in the general education budget of the State. Assuming that the Jewish children of school age bear the same proportion to the total population as is the case with the Arabs, the grant-in-aid from the present year should be increased by £1,500 per annum for the next ten years if a total annual increase of £15,000 in the Educational Budget proves feasible.

Technical education in agriculture. For technical education in agriculture also a plan should be prepared to cover the next ten years. Its first object should be to provide accommodation for a largely increased number of students at Tulkarem. There is no reason why that school should not provide education for 120 to 150 boys. The present grant-in-aid is £1,000 a year. It would be necessary to increase the grant by at least £1,500 for the increased number of students. But the plan should not be confined to an increase in the accommodation at Tulkarem. It will prove essential to institute similar schools elsewhere, though probably not on the same elaborate scale. The matter is one for very careful examination by the Government.

Agricultural certificated schoolmasters. Meanwhile it should be made a condition of employment of schoolmasters in the rural schools that they should be in possession of a certificate from the Tulkarem school, or from some other recognised agricultural school, that they have attended a course in practical agriculture for at least six months. One year seems to be an unnecessarily long period for that purpose. It would be an advantage if arrangements could be made for training of these teachers at one of the Jewish schools as well as at Tulkarem, for it would be regrettable that the watertight system should be observed even in agricultural instruction.

In the case of existing schoolmasters, the Educational Department will have to make the best arrangements possible to release them in batches for this training.

Collaboration between Departments of Agriculture and Education. It is of course essential that the Department of Agriculture and the Department of Education should collaborate closely in order to ensure the success of the arrangements proposed for agricultural education in rural primary schools. There should be no difficulty in such collaboration. The curriculum of the rural school, in so far as it includes agricultural instruction, should be worked out by the two Departments in consultation as also the curriculum for the six months' training period of the village schoolmaster.

C. IRRIGATION.

The existing waste of water. A most important condition of agricultural development is water for irrigation. On Map No. 5* will be found indicated the more important sources of water supply at present known to exist in the country. As a general rule irrigation water is wasted. This is very obvious in the irrigated areas of the Jordan Valley, the Beisan area, the Wadi Fara'a and the Jericho area. In each of these areas it is probable that scientific management of the irrigation would save enough water to double the irrigable area from the existing supply.

The Aujha Concession. It is regrettable that one of the chief sources of irrigation in the country, the Aujha Eiver, has been included in a concession. This concession, originally given with the object of the production of electric power, and subsequently as a purely irrigation concession when it was discovered that the current was not required for power, has as yet not been employed for irrigation on a modern scale. A comparatively small portion of water is pumped by riverain proprietors for the irrigation of their orange groves, but the great mass of the water flows into the sea. A further drawback to the exercise of the Aujha concession by the concessionaires is found in the fact that if its water were to be used generally for irrigation of the plantations of the Maritime Plain, the existing demand for electric power to pump irrigation water from wells in the plantations would be liable to diminution or possibly to cessation. The concession for this power was in the same hands as that for the Jordan River, but in 1929 the Palestine Electric Corporation promoted a separate irrigation Company to take over its irrigation rights in the Aujha Concession. This transfer was approved by the Government on condition that an irrigation scheme should be submitted to the Government within a year and that the work must be done on the scheme within a period of two years of its approval, a condition which was accepted by the

Company.

In the latter portion of 1929, the Company submitted an irrigation scheme for the lands of Petach Tikvah. This scheme was sent for the examination of the Government technical advisers. It is believed that no report on the scheme has yet been rendered in consequence of the occupation of those advisers on the locust campaign. The irrigation scheme has not yet been commenced.

* See Note on page 3.

The irrigation of the Aujha basin is a work of great importance and it is desirable that it should be pushed on, in so far as it lies in the hands of the Administration to forward it. The original concession was given in the year 1922. Eight years have passed and so far nothing has been done. It is desirable that the scheme put forward by the concessionaires last year should be examined and reported upon as soon as that is possible. The sooner irrigation is available for the plain the better.

Nebi Rubin. In the Maritime Plain there is an area claimed as Wakf known as Nebi Rubin, which is now being drained, and arrangements made for the irrigation by the Supreme Moslem Council. The area capable of irrigation is some 5,000 dunams. The plan for this work of drainage and irrigation is stated to have been prepared by an engineer of the Rockefeller Foundation. The work is being carried out satisfactorily. This will provide a useful area for the Arab tenants of the Wakf.

The Acre Plain. The Acre Plain is said to be entirely irrigable, either from the Kurdani Spring (marked No. 2 on Map No. 5 attached to this Report) or from subterranean water at a reasonable depth. A large portion of this Plain is in the hands of Jewish organisations. As yet the practice of irrigation in this area is not general.

The Huleh Area. The Huleh area is all irrigable. The property might be a very valuable one and it is regrettable that the area owned by the Government therein has passed almost in its entirety out of the hands of the Government into the hands of a concessionaire, Selim Bey Salam of Beyrouth. The concession was originally made by the Turkish Government before the War, but was renewed by the Government of Palestine. The concessionaire at one time desired to get rid of the concession and has been on various occasions in treaty with the Zionist Organisation and subsequently with the Walbrook Trust. The negotiations came to nothing in both cases, and the concession still exists. The concessionaire is about to commence operations with the object of draining a portion of the marsh by deepening the bed of the Jordan and so lowering the water level of the surface of the lake.

In Huleh, the extent of a holding necessary to support an agricultural family would not be greater than 40 dunams, of which half irrigated. There will thus be a large reserve of land in that area, when it is properly developed. The question of the drainage of the Lake was considered by Mr. Henriques and was reported upon in the volume of Reports of the Experts at p. 400. His estimate is that to drain the Lake by blasting out the gorge through which the Jordan river flows after leaving the Lake, would cost over £1,000,000, to include deep ploughing of the reclaimed area, drainage as might be necessary, and arrangements for irrigation. If the concession falls in, as is possible, it seems essential that the Government should retain the proprietary right in the area, for development purposes. The estimate of Mr. Henriques is that of an expert, but was not founded on the preparation of any detailed plans. If the Huleh area should revert to the Government, a technical study should be made in order to ascertain the actual cost of the suggested drainage.

The Beisan Area. Another area that has unfortunately passed from the ownership of the Government consists of the lands of Beisan, Semakh and Ghorul Fara'a, which are the subject of the agreement concluded in November, 1921, and known

as the Ghor Mudawwara Agreement. It was probably politically desirable that the lands covered by this Agreement should be settled with the Arab tenants who had undoubtedly enjoyed the use of the tract in the time of the Ottoman Government. At the same time the result of the Agreement, and specially of the modification of the Agreement made in September, 1928, published in the Official Gazette of 16th September of that year have taken from the Government the control of a large area of fertile land, eminently suitable to development and for which there is ample water available for irrigation.

The Beisan Agreement. By the original Agreement property was created in favour of the existing cultivators in respect of the lands cultivated by them (Art. 1). Article 5 provided for such areas of Metruke land as might be " necessary for the requirements of the village ". A minimum holding of 150 dunams per family was fixed by Article 8. In Article 9 provision was made for the constitution of tribal areas, as also for the transfer of areas to families which have not hitherto cultivated, if the tribe to which they belong has generally lived and cultivated on the West side H: Jordan. Grazing areas for tribes were permitted to the extent determined by the Department of Agriculture. In Article 16 is laid down that there should be no disposition of the land " except by way of mortgage to the Government or of succession until the whole transfer price (badal tatweeb) has been paid ". This last was a very wise provision.

The revision of the Agreement carried through in 1928 modified this last condition. The following is the relevant extract from the statement of policy embodying the changes in the Agreement :

" 8. Government are prepared under certain conditions to waive the requirement that the whole transfer price must be paid before the transferee has freedom to dispose of his surplus land.

" The two principal conditions which attach to this modification of Clause 16 are:

" (1) that the surplus land be transferred to persons approved by "Government and having as their object the promotion of close settlement and the intensive cultivation of the land; and

" (2) that in every case shall the transferee retain such extent of land in the area to which the Ghor Mudawwara Agreement of 1921 applies or elsewhere as will in the opinion of the Government suffice for the maintenance of himself and his family."

At the time of the original agreement clearly no grant of ' surplus land " to any individual was contemplated.

The whole of the Beisan lands have been distributed, and large areas have already been sold. Further large areas are in the market. The grant of the lands has led to land speculation on a considerable scale. The custom is that the vendor transfers to the vendee the liability for the price of the land still owing to the Government and in addition takes from him a sum varying from three to four pounds a dunam for land in the Jordan Valley. These proceedings invalidate the argument which was used to support the original agreement. It was made in order to provide the Arabs with a holding sufficient to maintain a decent standard of life, not to provide them with areas of land with which to speculate.

As to the irrigation of Beisan it is stated that there is ample water to irrigate all the cultivable area if the water were properly used. At present it is used exceedingly uneconomically. Under the powers which the Government propose to take under the Draft Irrigation Ordinance now under consideration, it will be possible so to regulate the use of the water that it will serve a much larger area than is the case at present.

There were complaints from the Arabs that the sources of the water supply had

passed into Jewish hands and that there was consequent difficulty in obtaining the water necessary for irrigation. It is true that certain of the sources of irrigation water in this area lie in lands now held by the Jews. If the Draft Irrigation Ordinance finally becomes law, all difficulty on that score can be regulated.

*The Jordan Valley.*In Chapter I, reference is made to areas in the Jordan Valley. A comparison of the views of Dr. Strahorn, expressed in the Report of the Experts at pp. 203 to 206, with the views expressed by the members of the Committee who examined the Lower Jordan Valley this year for the purposes of the present enquiry, shows that there is room for wide difference of opinion. The Irrigation Officer and the Government Geologist are convinced of the possibility of cultivation of considerable areas in that valley if water proves available. The Committee of which they were members reported the possibility of the irrigation of 100,000 dunams in addition to that already irrigated, with the water already available, if that water is economically used. It is well within the bounds of possibility, both that arrangements could be made which will provide a larger supply of water than that at present in sight, and that a larger area of land may prove to be cultivable than is at present recognised and included in the cultivable area.

*Other possibilities.*The remarks recorded above have reference only to certain of the known sources of irrigation. It is urgently necessary that attempts should be made to discover further sources. Both in the course of the settlement of the refugees in Greece, and more recently in Cyprus, steps were taken to determine the subterranean supply. In both countries these enquiries are believed to have resulted in success. In Macedonia, in Thrace, and in Old Greece, an artesian supply was discovered which has resulted in the sinking of hundreds of wells which give a copious yield of water. It is well possible that serious attempts might result in a similar discovery in Palestine. As has already been remarked, the discovery of an artesian supply of water in the Beer-Sheba region would revolutionise the possibilities of colonisation in Palestine. It is worth while to devote a considerable sum to a hydrographic survey of Palestine in the hope of locating the water table both of spring water and of artesian water, if the latter exists. A study of all existing sources of irrigation should also be undertaken, and plans prepared for scientific and economic use of the water in question.

*The Draft Irrigation Ordinance.*In Appendix 19 will be found a resume of the Draft Irrigation Ordinance. Legislation to empower the Government to regulate the use of water for irrigation should be enacted as rapidly as possible. It is a question for the Government whether the powers contained in the Draft Ordinance for control over the sinking of wells is necessary. There was at one time a fear that the multiplication of wells in the Maritime Plain had caused a fall in the water table in that area. The matter was examined by an expert Committee which came to the conclusion that the fear was not well founded. The water table had fallen in a certain region, but there remained an ample supply at the deeper level.

*Constitution of a separate service.*By an unusual arrangement the Irrigation Service is also placed under the control of the Department of Agriculture. This arrangement is not satisfactory.

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In fact, it has resulted in the Irrigation Officer being employed, and necessarily employed, on urgent duties not connected with irrigation. For instance, during a considerable part of the present year he was engaged on a locust campaign. This was doubtless a work of great urgency, but while he was thus employed his regular work as Irrigation Officer was in abeyance. That work is of the first importance in view of the backward state of irrigation in Palestine. It is desirable that the Irrigation Service should be detached from the Department of Agriculture and constituted a separate service.

D. COOPERATION

The Jewish movement. Information available. A notable feature in connection with Jewish immigration and settlement is the rapid growth of cooperation. The fact may be due to the influence of the countries whence the immigrants have come, for the movement is powerful both in Poland and in Russia, the countries of origin of 66 per cent, of the Jewish settlers. The movement is confined to the Jews. There is no Arab Cooperative Society at work in Palestine.

There are 249 cooperative societies registered, but of them only 173 are known to be working. The live societies are classified as follows :

Agricultural societies	39
Credit societies	52
Industrial producers	27
Land purchase and building	34
Kvotzoth	14
Miscellaneous	7

Data have been collected for 134 of these societies as at the end of May, 1930, and have been submitted by Mr. Harry Viteles, the General Manager of the Central Bank of Cooperative Institutions in Palestine.

These 134 Jewish cooperatives had at that date 33,436 members, and share capital, reserves' and other owned capital amounting to £334,827. In addition to this sum, they have in members' deposits and savings £711,445. At the same time the total indebtedness to banks and other creditors was £294,411. In fact, the cooperative societies work, to a large extent, on the money provided by their members, a position highly satisfactory.

Rates of interest on deposits and loans. High rates of interest are paid both on deposits and on loans from Banks, and the Societies charge their members 10 to 13 per cent, on the loans and advances made to them. This rate of interest is not only high in itself, but is an indication of the still higher rates which are charged by the moneylender. If the general rate of interest charged elsewhere for accommodation of the kind furnished by the Societies were not excessive, and it is known to be excessive, it would clearly not be to the advantage of the small man in the town and in the village to resort to a cooperative which demands 10 to 13 per cent. The fact is also an indication of the uselessness of the legal limit of 9 per cent.

On this question of the rate of interest Mr. Viteles remarks in his note :

" This interest is out of proportion to the earning capacity of the population particularly of the farmers served by the cooperatives."

Activities of Cooperative Societies. The Agricultural societies are of many types and serve every purpose of the settler. Through them he makes his purchases and sells his products, through them he insures his cattle, through them again he receives advances on his crops. Of these societies there are some which are of outstanding merit. The " Pardess " Cooperative Society of Orange Growers shipped during the last season over 470,000 cases of oranges belonging to its members, about 40 per cent, of the total orange crop of Jewish growers. It has just opened a cooperative packing house with a capacity of 60,000 cases, equipped with the latest grading and packing machinery. This society also interests itself in the development of existing markets and the discovery of new avenues of disposal. Of the wine produced in Palestine, 90 per cent, is manufactured and sold by a cooperative society of winegrowers. " Hamashbir " is a society established and managed by the Jewish Federation of Labour. It serves as a Cooperative Wholesale Society and the central organ of the four consumers' (distributive) societies

already in existence. More of the latter type are contemplated in rural localities. The cooperative marketing of milk and dairy products, eggs and poultry and vegetables, formerly constituting a branch of the activities of " Hamashbir," have been taken over by three autonomous cooperatives functioning in Jerusalem, Tel Aviv and Haifa respectively, under the name " Thnuva." The produce sold by these three bodies during the year ending 30th September exceeded in value the sum of £96,000, and is rapidly increasing. Another cooperative connected with the Labour Federation is " Yakhin," which undertakes the preparation, planting and maintenance of agricultural holdings, particularly of citrus groves. This work is done both for residents in the country and for prospective settlers. The society commenced in the middle of 1928, and had completed work of a value of £49,000 before the close of 1929. The contracts on hand on 31st May, 1930, were for £32,000.

Jewish Cooperative Movement: Cooperative Industrial Producers' Societies. The Labour Federation has organised a special Department to promote and to supervise Cooperative Industrial Producers' Societies. At the end of 1928 there were 50 such societies with a total of 326 members, an average of less than 7 per society. At the end of May, 1930, there were 41 with a membership of 507, more than 12 per society. In addition to the members, these societies employed 235 hired workers and apprentices. The most remarkable of the societies of this type are the transport societies, in which the members transfer to the society the property in their motor vehicles and are credited with the capital value as their share capital. It is said that these societies command most of the internal traction of the city of Jerusalem and town of Tel Aviv and a large proportion of the commercial transport between the two places.

Land purchasing Societies. A considerable number of the more important cooperative societies are those which have been organised for the purchase of land both in rural and in urban areas. In the case of the former type of transaction, the land is frequently bought and developed for members not yet resident in Palestine, but who hope to immigrate later. The total present value of the land, improvements, buildings, etc., the property of members of these societies, is reported to be nearly one and a half million pounds.

Jewish Cooperative Movement: Membership of Societies. It is clear that the cooperative movement has not only been successfully launched among the Jewish population, but has already become a highly important economic factor in its daily life. On the whole the societies are extremely well managed. Some of the Credit Societies appear to be too large for efficient control by the members themselves. There is one with over 3,000 members, there are eight with membership in excess of 1,000. In other cases there is a tendency in the opposite direction, and new members are not welcomed. But there can be no doubt that the cooperative societies are doing magnificent work and are a valuable asset both to the villages and to the residents in the towns.

Necessity for extension to Arab population. As has been pointed out, the whole of the cooperative organisation in Palestine is Jewish. It is very much to be regretted that no efforts have as yet been made to popularise the cooperative idea among the Arab population. The need is desperately urgent. The fellah population is so tightly bound in debt that no credit whatever is available to enable that development of agriculture which is so essential for progress. The view is commonly expressed that the Arab will not cooperate. It is said that one attempt was made to form a cooperative society of the tobacco growers, but that the society failed owing to the disloyalty of its members. The great probability is that the cause of failure might be found either in ignorance of the principles of cooperation or in the constitution of the society. The Arab is ignorant, but he is at the same time highly intelligent and hardworking. That he can learn is evident from an inspection of the Arab villages in proximity to the German and to the older Jewish (P.I.C.A.) colonies. That he is ready for practical cooperation is patent from instances which have been observed recently. One case

was noticed in a village close to the German colony of Wilhelma. There three fellahin desired to have the use of a tractor and tackle for deep ploughing. No one of the three could afford the expenses of transport. The three joined together, hired the outfit, had all three holdings ploughed and shared the expense. In another village, near Ramleh, a case was observed in which five cultivators pooled their teams in order that power might be available for deep ploughing. Those cases, though perhaps of little intrinsic importance, indicate that the cooperative sense is not absent in the Arab cultivator. There is nothing but cooperation that will save him from his present depression. He cannot hope ever to escape from the burden of debt unless cheaper credit is made available. Only by cooperation can that object be obtained. It is well that Mr. C. F. Strickland is making an enquiry into the methods by which cooperation may be made available for the fellahin of Palestine.

Treatment of existing debts. One of the most difficult of questions in approaching the problem of the foundation of Arab Cooperative Societies, is the policy to be followed in respect of existing debts. As has been noted, these are everywhere exceedingly heavy, and the prospect of agricultural development of the Arab holdings, a development which will be dependent on the facility for obtaining working capital at a reasonable price, is at the moment rendered impossible. The Arab is crippled by debt. His chance of advance is hampered by debt. How is he to be released from his burden as a preliminary to improving his chances of advance? Mr. Strickland, who was in Palestine at the time of this enquiry, and was himself examining the possibilities of cooperation among the Arab population, favoured me with a note on the clearance of old debts by cooperative societies. His considered opinion is hostile to a policy of loans at a low rate of interest in order to enable the peasant to pay off existing debts at high rates of interest. In the course of his memorandum he writes :

" My own experience during twenty years of cooperation has been everywhere the same. An indebted and usually illiterate peasant has not the strength of character to refrain from further borrowing from moneylenders, if he is suddenly released from debt. He borrows again and all the good work is undone. After trying several methods I found the best way in a rural Society of Credit to be the limitation of loans in the earlier years to such amounts as would meet the agricultural and ordinary needs of the members without attempting to repay the old debt. At the end of three years, if it was found that the members had broken off all connection with their old source of credit, a list of the debts of each member was drawn up, and a special loan for the repayment of the total amount made to a number of selected persons, but not to all the members at the same moment. Thus by clearing a few members in each year by a special loan the Society was kept in a constant state of struggle, which, however unpleasant, is extremely beneficial to the cooperative character of the persons concerned."

He adds that the Jewish Credit Societies apply the same policy of refusal at once to clear the debts of a new member.

At a later stage of the memorandum, Mr. Strickland writes :

" I do not consider that peasants who have become accustomed to a condition of permanent indebtedness can be taught to help themselves, except by an unpleasant and somewhat long course of discipline. Therefore they must for two or three years prove their loyalty to their Society by dealing in small sums. This process forms their character and makes them such men as can be trusted with large sums. They must also have the courage to defy the moneylender and boldly invite him to go to court. When he does so the Society can help them, but a total payment of their debt at an early date is too

strong a medicine for them to digest, while a partial payment of a moneylender's debt is a mere waste of money. "When crediting it he charges the full rate of interest, but when coming to a final settlement he will agree to a lower rate."

It is exceedingly satisfactory that this question of credit for the fellah is at the moment the subject of enquiry by an expert in cooperation, and that there is justification for the hope that the best steps possible will be taken to improve the prospects of this important class of agriculturists in financing their agricultural operations. Nothing is more important from the point of view of the agricultural development of the country.

Desirability of joint action between Jews and Arabs. In view of the great desirability of a rapprochement between the Arab and the Jewish population of Palestine, it would be of advantage if the Jewish cooperative societies were to encourage Arab membership. In the case of "Pardess," for example, it would be to the advantage of the Jewish orange growers themselves to enlist the Arab growers in their Society. The price of oranges abroad is said to be based on the price of the cases of least merit. The higher the quality of the inferior product, the better for those who ship oranges of good quality, wellgraded and well packed. If "Pardess" were to lay itself out to serve the Arab groves as well as the Jewish, it would obtain its reward in a general rise in the standard of the cases shipped from Palestine. And this is only one of the directions in which enlistment of Arab cultivators would actually strengthen the cooperatives of the Jews. In addition, naturally, the political difference would tend to become less acute than is at present the case. The more the Jew can identify himself with the economic interests of the Arab, the better for the general peace of the country. Nothing is more fatal for the peace of Palestine than emphasis on the difference rather than on the common interests of these two constituents of the population.

CHAPTER VIII.

Agricultural Produce.

(a) CITRUS CULTIVATION

Origin of orange cultivation. The cultivation of the orange, introduced by the 'Arabs before the commencement of Jewish settlement, has developed to a very great extent in consequence of that settlement. There is no doubt that the pitch of perfection to which the technique of plantation and cultivation of the orange and grapefruit have been brought in Palestine is due to the scientific methods of the Jewish agriculturist.

Area available. In the Reports of the Experts at page 199 et seq there is an interesting statement of the opinion of Dr°Strahorn as to the areas in which citrus cultivation is in his opinion possible. His deduction on this subject is to be found on Page 201 and is recorded in the following words : " ... It is felt that the absolute area of irrigated plantations in Palestine will not exceed 300,000 dunams." This is a very important pronouncement by an expert of worldwide reputation. This question is discussed in the Memorandum submitted during the course of the present enquiry. The experts of the Jewish Agency do not agree with the opinion thus expressed by Dr. Strahorn; on the contrary, they consider that there are 595,000 dunams in the Maritime Plain which are irrigable and of the light soil usually found suitable for orange cultivation. Including the irrigable area of the Beer-Sheba series of soils, which they take as 503,347, arid deducting an assumed area for "nasaz," they conclude that an area of 500,000 dunams of the Maritime Plain is suitable for citrus cultivation. "Nasaz" is thus described by

Dr. Strahorn :

" The term ' nasaz ' indicates a subsoil structure where, due to some peculiarity, the horizon is but very slowly pervious to moisture, and the structure is sufficiently dense to cause most roots of plants to turn and follow a horizontal direction. In boring the soil auger encounters a definite resistance where the ' nasaz ' horizon is penetrated. Mechanical analyses seldom show a texture heavier than a sticky loam or a sandy loam, and fine sandy loam textures seem quite prevalent As a rule, ' nasaz ' is noncalcareous"

It is, of course, impossible to determine the " nasaz " area by inspection of the surface soil. That area will only be determined when a soil survey, which includes an examination of the subsoil, is completed.

All that can safely be said on the subject of the irrigable light soil fit for orange cultivation in the Maritime Plain is that there appears to be an area of at least 200,000 dunams still available and undeveloped, and that this area would provide for 10,000 holdings, if the price of oranges in the European market does not fall materially. In addition there is an area, estimated by the experts of the Jewish Agency at 300,000 dunams, which may prove on examination to be suitable for citrus. Should this anticipation prove correct, and the largely increased area not result in a fall in the price of oranges, this area would provide for another 15,000 families.

Area under citrus cultivation. Details of the areas now under orange cultivation and of export and prices are given in Appendix 20. It is generally assumed that this fruit may be successfully cultivated in the whole of the soil suitable to its growth. A limiting factor may prove to be that of water for irrigation, in certain regions. Hitherto water has been found at reasonable depth, ranging from 9 metres to 53 metres (Report of the Experts, p. 26). In general tube wells are used, with niters, and the pumps are worked either with oil engines or by electric power obtained from the Palestine Electric Corporation. Last year there were symptoms which seemed to indicate that the water table was receding in depth. There were also complaints that salt water had penetrated into certain of the wells. An enquiry was held into the matter, and it was found that in the region where orange cultivation had been longest in vogue, there had in fact been a fall of about 4 metres in the level of the springs, but that the supply at this lower depth was ample. It was also considered that the fall was possibly due to temporary conditions, following as it did two years of rainfall below the average. As to the salt, this was found in two wells only. No explanation of the phenomenon could be suggested, as these two wells were in close proximity to other wells in which the water was sweet.

Future of the orange trade. It is unsafe to prophesy on the subject of the future of the orange trade. Opinions among experts in Palestine vary. On the whole they are optimistic. The chief orange growers feel little doubt that a crop of ten or twelve million cases will be absorbed by the European market. They realise that the possibility of that absorption will depend in large measure on the method in which the oranges are marketed. At the present time this leaves much to be desired. The Jewish growers are taking steps to ensure by cooperation that the standard of the fruit despatched from their groves is uniform and that grading and packing are satisfactory. It is regrettable that the Arab growers are not yet convinced of the necessity of the adoption of similar measures.

The question of the future of the orange trade is one of very great importance for the development of agricultural Palestine. In the main, it is the development of this particular culture which will justify the belief that the country can support a much larger population than it contains at present. If the market can absorb, within the next ten or twelve years, some 30 million cases of oranges, where today

ii is absorbing less than 3 million, the 200,000 dunams, which is the minimum area still awaiting development in the Maritime Plain, will support a population of at least ten thousand families of orange growers, with the ancillary population connected with the business, on an area which today is supporting probably less than 2,000 families. Should the suitable area prove to be larger than 200,000 dunams, as is reported by the experts recently employed by the Jewish Agency, and whose opinions differ from that of Dr. Strahorn, the additional population supportable will be increased *pro tanto*.

On the other hand, if development goes on at the present pace, and the market proves unable to digest the enormous increase in supply, not only will disaster overtake the new families who may be settled in the Maritime Plain in the future, but the large population now settled in that region will share in the disaster. It is the path of wisdom to proceed with the policy of orange plantation without undue precipitancy and to await the result of the work of the past four years before embarking on a more ambitious scheme of the same kind.

(b) THE GRAPE FRUIT

Of orange groves now planted, one tenth of the area is habitually put under grapefruit. For this the market is satisfactory, and is expanding. The Palestinian grapefruit is of very fine quality, and there is in this direction every probability of a large and increasing trade.

An additional advantage in the cultivation of the grapefruit lies in the fact that it flourishes in soils much too heavy to permit of successful cultivation of the orange, and there is room in the Jordan Valley for considerable extension of the area under this crop. The drawback to the grapefruit is its quality as eminently a luxury fruit. This is even more the case than with the Jaffa orange. The grapefruit requires preparation before it can be eaten. It also requires sugar. The Jaffa orange is easily eaten, without preparation and also without sugar. It cannot therefore be expected that the area ultimately planted with grapefruit will ever compare with the area under oranges, but, nevertheless, it will in the end be sufficiently considerable to warrant a place in a development programme.

(c) THE BANANA.

Area under cultivation.

Careful enquiry has established that the area under the banana in Palestine in 1930 amounts to 2,368 dunams. The fruit can be grown in the whole of the Jordan Valley where the soil is fertile. It is also grown in a few areas outside the Jordan Valley, but with more difficulty.

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Cost of production and yield.

The cost of production is £87 a dunam up to the bearing stage and thereafter £18 per annum for maintenance. At 15 mils a kilo, with a yield of 2,000 kilos from a dunam in full bearing, the gross annual income is 30. This year the price is very low, and the growers have found difficulty in disposing of their fruit.

Marketing possibilities.

The Palestine banana is a fruit of excellent quality in consumption, though its appearance leaves much to be desired. The whole question of cultivation and marketing was discussed at length by Mr. George M. Odium, in a report to the Palestine Economic Corporation in 1927. This has been published, by the courtesy of the Corporation, as a leaflet of the 'Department of Agriculture in Palestine (No. 11). The general result at which Mr. Odium arrives does not encourage the hope that the possibility of creating a market in the banana will afford scope for widespread extension of cultivation. He sees " considerable possibilities for a banana industry of moderate dimensions in Palestine." The difficulty is largely

one of marketing. The Palestine fruit could not compete with the Canary and West Indian bananas in Western Europe. It is bound to be restricted to local markets and the undeveloped markets of Eastern Europe. The possibility of expansion in these latter markets should however be explored, and meanwhile the methods of packing and transporting the fruit improved. It is a matter of great regret that the nematode (Egyptian eelworm) (from which Mr. Odium recorded that Palestine was free), has now appeared and is found spread generally among the banana groves of the country.

(d) **melons.** *Exports to Egypt and Syria.*

There is a very large trade in watermelons with Egypt and a smaller, but still considerable, trade with Syria. The former, in 1929, amounted to 49,000 tons, the latter in 1928 to 6,800. In both directions the trade has been affected by fiscal measures. In Egypt an import duty of 500 milliemes per ton was imposed last year. In Syria the town of Damascus has imposed an octroi duty on melons, which is of course of a general nature, affecting Syrian as well as Palestinian melons, but which at the same time tends to reduce the amount exported from Palestine.

Adverse effect on export of imposts in Egypt and Syria.

Complaint on the score of these imposts was general, and it was suggested that the Syrian case should be taken up with the French Government and that in the Egyptian case the Palestine Government should retaliate by penalizing imports from that country. Petitions on the subject were submitted to the Palestine Government. The District Commissioner of Haifa, in reporting on the Egyptian question, gave figures which establish that the cost of transport of a ten ton truck, including transport to the railway, cost of loading, demurrage fee, unloading and commission, and customs dues, totalled ;£P25.005. The average wholesale prices in Egypt range from £20 to £25 per ten ton truck, and there is consequently little or no profit to the producer in Palestine. He was of the opinion that the new tariff will seriously affect the trade in melons.

The matter is one for negotiation with the Egyptian Government. The balance of trade is so seriously adverse to Palestine that every possible effort should be made to encourage its exports. Of 'these the melon holds quite an important place. The Syrian question is more difficult. No preference is being accorded to Syrian melons. Doubtless the Damascus Municipality requires the additional income which the octroi on melons will afford. It does not seem possible to suggest that Palestine melons should have a preference over the local product in the Damascus market, and probably no steps can usefully be taken in the matter.

(e) **ALMONDS**

Production and Export figures.

Appendix 21 gives the figures of production and of export from three sources. It is unsatisfactory that they differ so widely, and a remarkable fact indicated by those figures is that over a period of seven years the total export of almonds has been far in excess of the total production. No explanation of this fact can be offered, unless it can be attributed to underestimation of the crop for purposes of assessment of tithe.

Area under Almond cultivation.

The most recent enquiry into the area under almonds was made in the early months of 1927. It indicated a total area under this tree of 27,776 dunams, of which 21,175 were in Jewish colonies. The tree is easy to cultivate and flourishes on land which is unsuitable for plantation of any other kind. It gives a return per dunam six times that of cereal crops. It is therefore a useful culture for the

development of poor soil.

Replacement of Almonds by Oranges.

The area under almonds has been affected by the popularity of the orange. Even before the enquiry in 1927 a considerable area of almond groves had been uprooted in order to make room for oranges, and in certain cases for grapes. In the report of the Department of Agriculture for 1925 it was already recorded that :

" Licences have been issued in considerable number for the felling of almond trees affected with gummosis, or borer Almonds are giving way to apricots and figs which, in improved varieties and properly dried, command ready local sales at very favourable prices"

Since that time the cultivation of the orange has advanced with great rapidity, and wherever the land is suitable there is a tendency for the orange to replace the almond.

Pests.

In the heavier soils the borer has done very serious damage, but in the poorer soils the almond groves are frequently unaffected by this pest. The same is the case with gummosis.

Markets.

In 1929 a consignment of almonds was forwarded to England and handled by the Empire Marketing Board. The report was not very encouraging, but in the issues of the " Grocer & Oil Trade Review " of 11th August and 15th September of that year Jordan almonds were quoted at the highest price in the London market. On the former date the best Jordans sold for more than the best Valencias.

The chief markets are in Egypt and Damascus, in both of which centres large quantities are imported.

There is no doubt that at recent prices almond cultivation has been a paying proposition, and in view of the suitability of the tree to the poorer soils, it will doubtless take its place in any general scheme of agricultural development for Palestine.

(f) GRAPES.

Exports of Wine.

Table grapes and grapes for wine are both cultivated in considerable areas in Palestine. But both in the case of wine manufactured in the country and in the case of grapes for the table, the export trade has suffered a severe and continued setback during the past seven years. In 1922 over 2,700,000 litres of wine were exported of a declared value of £58,821. In 1927 the corresponding figures are, quantity slightly in excess of 900,000 litres, value £21,686.

Exports of Table Grapes.

In 1922, 1,334 tons of table grapes were exported. In 1928 the figure had fallen to 246 tons.

Competition in the markets.

In the case both of wine and of table grapes the most active market is Egypt. During the years 1922 to 1927 the export to Egypt fell from 1,175,000 litres to 564,000. The reason did not lie in a general reduction of imports of wine to Egypt; on the contrary that import shows a large increase. Wines of the Palestinian type are manufactured also in Cyprus and in Greece, and it is the increase of the export from these two sources which has replaced the loss in imports from Palestine. To quote from an article in the Bulletin of the Palestine Economic Society, of October, 1928, written by Mr. Harry Viteles :

" Palestine is losing the wine markets in Egypt, Syria, and the United Kingdom, primarily because it appears to be unable to compete with the other wineproducing countries"

Still more evident is the successful competition of Cyprus and Greece (with Crete) in the matter of table grapes. Since 1922 the import of table grapes from Cyprus to Egypt has increased from 261 tons to 1,338 tons in 1927; that from Greece and Crete from 3,141 tons to 5,068 tons.

Trial consignments to London.

A trial consignment of table grapes was on two occasions sent to London and was dealt with on each occasion by the Empire Marketing Board. The reports were not very favourable, but they indicated that given better methods of harvesting the fruit, most of which arrived in a condition overripe, there was a prospect of a market for certain of the varieties submitted, specially the Salti.

Complaints against Excise Duty and Licence Fees.

In the course of this enquiry a representation was made by the Cooperative Society of Vine Growers of Hichon le Zion and Zichron Jacob Cellars on the subject of the very heavy recent increases in the licence fees for manufacture and in the Excise duty on intoxicating liquors. From this representation the following is extracted :

" Licence Fees: As a matter of fact, up to 1925 we have paid £P.5 per annum. By successive additions the Licence Fees have been increased to the amount of £P.2,250 for the current year; £P.1,600 for the manufacture of wine and £P.650 for the manufacture of alcohol and other spirits.

" We do pay Licence Fees for manufacture of alcohol that are 15 times as big as the Licence Fees existing now in England, and with regard to Licence for manufacture of wine, we don't know any country where such Licence Fee should exist, meanwhile we are paying a little less than one mil per litre, making £P.1,600.

" Should the Government continue to impose the Licence Fees to the actual level, it would practically mean taking from the viticulturist £P.0.250 per kantar of grapes for the licence only.

"It is indirectly a tax imposed on the viticulturists, and since the average crop of a dunams is two kantars of raisins, this tax will be to £P.0.500 per dunam. The question is if the viticulturist should pay so heavy a tax in addition to the other land taxes as Osher and Werko, and if a land product should be so heavily taxed"

It is true that the cultivator of grapes pays the tithe and the Werko as stated, and that the increase in the Licence Fees does in effect impose an additional tax on him, as it is impossible for the manufacturer to increase the price of his product to the consumer. This is a question which deserves careful reconsideration in view of the depressed condition of all agricultural industry at the present time.

A similar complaint was made by the Salesian Fathers in respect of the manufacture of wine at their Farm School at Beit Jemal.

The Excise Duty was first imposed by the Intoxicating Liquor Ordinance of 1927, and amounted to 3 mils per litre of wine not exceeding 15° of alcohol, and six mils per litre exceeding 15° but not exceeding 25°. These duties were doubled with effect from 1st April, 1930.

(g) TOBACCO.

Extent of the Tobacco Trade.

There is no reason why this country should not produce large amounts of highclass tobacco. At the present time, the amount produced is of poor quality and until 1929 has been insufficient to meet the demand for home consumption. The following statement' shows for the past three years the amount produced, the amount consumed locally, and the amount imported :

	1927	1928	1929
Crop	kgs	kgs	kgs
Tobacco	495,000	334,600	1,057,300
Tombac	52,000	7,400	10,700
Disposal of Crop	446,000	615,000	476,000
Tobacco to factories	197,000	15,000	22,000
Exported			
Imported	125,000	123,000	124,000
Tobacco	74,000	70,000	100,000
Tombac			
Output of Local Factories	401,815	493,720	531,887
Cigarettes	23,844	16,167	20,108
Tobacco	87,714	83,919	100,127
Tombac	64	57	1,210
Snuff			
Total output	513,437	593,863	653,332

Local Leaf.

Attempts have been made by the cigarette manufacturers to induce the cultivators to produce in this country the amount of tobacco of a higher class which is necessary for the manufacture of cigarettes of better quality. These attempts have not been successful. The local cultivator prefers a tobacco which gives a large yield. The seed of the better grade of plant is smaller and lighter than that of the coarser tobacco, and for this reason alone is unacceptable. In addition, the cultivator cannot realise that a smaller crop of the finer leaf is more valuable than a heavier crop of the coarser kinds.

Necessity for instruction in improvement of methods.

This prejudice might perhaps be overcome, but there is an additional difficulty in

that the finer tobacco requires manipulation of a special kind, with which the Palestinian cultivator is not familiar. He does not know how to prepare his tobacco for the market, nor does he know the method of packing. Both of these difficulties are easily overcome. It is a question of education, and an expert from Cyprus or Greece could readily teach the cultivator. The Arab cultivator is intelligent, and, if taught, would find no difficulty in learning the methods of those countries.

One of the tobacco manufacturing firms advanced £20,000 to the tobacco growers in the course of last year. The result was entirely satisfactory, and the money has been repaid practically in full.

Complaints in regard to the Tobacco Ordinance.

There were complaints of two different kinds against the administration of the Tobacco Ordinance. On the part of the cigarette merchants it is alleged that smuggling is rife, especially after the disturbances of August last, and it was urged that much more severe measures are required on the part of the authorities in order to combat that evil. On the other side there were frequent complaints on the part of the fellahin that the Tobacco Ordinance is not only Harsh in its terms, but is, in addition, administered in a cruel manner.

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Minimum Area of Two Dunams.

There are certain provisions of the Ordinance which are special subjects of complaint. It is, for instance, argued that there is no good reason why the minimum area of cultivation should be two dunams. On the face of it the complaint is well founded. The reason for the provision is given in the following extract from a letter of the Director of Customs, Excise and Trade :

" It is desirable that tobacco shall only be grown on a commercial scale and if it is assumed that 50 kilograms is the average crop

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of a dunam two dunams produce 100 kilograms or five bales of 20 kilograms each If you refer to Section 10 of the Tobacco Ordinance you will find that no quantity of less than 20 kilograms of unmanufactured tobacco may be sold at any one time by a grower to a dealer or manufacturer, and it was found that people who grow small areas in most cases were planting for their own consumption or illegal sale and small areas are very difficult to control. I have taken the liberal view of the two dunams so that if a fellah has two pieces of land within sight of each other but not actually touching, I count them as one for the purposes of the Law even if the total of each is less than two dunams. The interests of the tobacco manufacturers are those of the Department in this matter and they are always consulted when any change is made in the Ordinance.

" A committee of representatives of the Departments of Agriculture and Customs and of Tobacco Growers and Manufacturers was held in 1926. This Committee recommended that the minimum area planted by any one grower should not be less than half a dunam, but later it was considered desirable to increase the area to two dunams"

The reason why the minimum was fixed at two dunams was doubtless to check the

consumption of unexcised tobacco. In fact, however, it precludes the poorer man from cultivating a crop which gives a high return. It is desirable that the minimum area should be fixed at a lower figure than two dunams. Half a dunam appears a sufficiently high minimum.

Prohibition of use of home grown Tobacco.

Another provision which is subject to bitter criticism is that which renders it a criminal offence for the cultivator to smoke his own homegrown tobacco. It is rightly pointed out that compulsion to purchase excised tobacco raises the price to the cultivator by about 60 per cent. On the other hand it is clear that if the cultivator were to be allowed to smoke his own tobacco, a door would be opened for illicit consumption which might have serious results on the excise revenue.

The following table gives the number of offences against the Ordinance during the past two years and the action taken in respect of them :

<i>Year.</i>	<i>Number of Seizures.</i>	<i>Number of Offences.</i>	<i>Number of Offences Compounded.</i>
1928	5,952	5,010	2,176
1929	5,984	4,551	1,962

All cases of infringement of the Tobacco Ordinance are dealt with by the Director of Customs himself, and he is personally responsible for compounding such of these offences as seem to be suitable for this action. There is no doubt that the Ordinance is properly administered.

(h) OLIVES.

Grade of oil.

There is a large production of olive oil in the country. As a rule the oil is of inferior quality, containing a high percentage of acid. This is due to the primitive nature of the machinery of extraction, to the absence of cleanliness in connexion with the process, and to the antiquated receptacles in which the oil is stored. A reform in methods is a necessary preliminary to a pure and sweet oil.

Methods of culture.

Cultural practice is also as a rule ignorant and primitive. The olives are removed from the trees by beating the branches with sticks. Partly as a result of this practice the crop of the following year is affected so much, that the olive is looked upon in this country as a tree that yields well one year and very poorly the next. A further drawback to successful culture is the ignorance of the fellahin on the subject of pruning the tree. It may be said with truth that in large areas pruning is actuated not by any desire to improve the tree or the crop, but by the necessity to obtain firewood.

Instruction in improved methods.

These are all directions in which instruction would have good results and this could best be afforded by demonstration. The same absence of knowledge of pruning was remarked in the case of many of the Greek refugees, and it was necessary to employ travelling instructors to teach the peasants how to treat their olive

trees. There is no reason why such a method should not be adopted in Palestine. The financial results of the system in Greece fully justified the expense.

Extension of area under cultivation.

There are wide spaces in the hill country where the olive would grow and where it would give a better return, even at the present low prices, than is obtained from cereal crops. It would be of advantage to the country if these areas were put under olives rather than cultivated each year with cereals. It was suggested that in cases where cereal land in the hill country is put down to trees, the tithe should be excused on that land until the trees are in bearing. This seems a fair suggestion, not only in the case of olive groves but also where fruit trees are planted, and not only in the hills but in the plains also.

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(i) **SESAME**

Imports and Exports.

Everywhere a demand was made that the import duty on sesame, which had been removed in 1925 in order to help the Jewish Oil Factory " Shemen " should be reimposed, and the Palestine Government has agreed to the reimposition. The sesame position is curious. In the year 1929 while 3,539 tons were exported at an average price of ;6P.20.436 mils per ton, 3,470 tons were imported at a price of £P.23.278 mils per ton. The imported sesame comes chiefly from China and is generally said to be an inferior seed to the Palestinian seed.

Value as a summer crop.

The cultivation of sesame has a value apart altogether from its crop. It is a summer crop, and requires a great deal of careful weeding and cultivation. It is followed by the winter cereal crop, and the land is in a good condition to receive the seed when the sesame has been pulled. Sesame is therefore a crop to encourage, apart from its commercial value.

Cultivation.

The Jewish colonies grow no sesame, as it is a crop demanding labour both of women and of children at time of harvest. The crop is not reaped; each individual stalk is pulled by hand, labour of a kind which the Jewish population does not favour, in part perhaps because there are not yet many children of an age to help in the harvest. The value of the yield at present prices would not support the expense of hired labour. The fellah carries through the harvest with the help of his family.

(j) **BARLEY**

Export trade.

Before the War considerable quantities of Palestinian barley were exported to the United Kingdom for malting purposes. In one year, 1908, the export from Gaza was 38,000 tons. In 1913 it amounted 18,400 tons. Since the war this trade has not revived; the maximum amount exported to the United Kingdom in any one year having been 1,600 tons.

Possible reasons for reduction of overseas trade.

One of the principal reasons for the failure of the trade to revive appears to be

that prohibition in America has released . large quantities of Californian barley, which now finds its way to the United Kingdom. There are, however, other reasons. The rainfall of the Gaza area is very erratic, and a crop cannot be depended on each year. Probably the merchant prefers to deal where he is certain regularly to find the amount he desires. The Gaza barley contains a good deal of extraneous matter. A proposal was made to purchase a cleansing plant on behalf of the Government, as it is understood has been done in the Sudan, and to demand that all exported grain should be cleaned previous to export. This scheme fell through for financial reasons.

It is also suggested that the United Kingdom demand for malting barley has fallen and that the reduced demand is met to a larger extent than formerly by supplies produced locally. Also that the time of shipment from Gaza, i.e., the end of June, is too late for the market. Further, the freight from Gaza to the United Kingdom amounts to 4s. 6d. a ton, which compares with 3s. 3d. from Canadian ports, and 3s. 6d. from New Orleans. From New York it is said to be 1s. 9d.

Proposals for revival of the trade.

There seem to be a number of reasons which explain the failure of the barley trade with Great Britain. For its revival, if that revival is possible, there are three necessary preliminaries. First, there must be cooperation between the growers and the merchants in Palestine. Next, grading and cleaning are essential. The outlay on the necessary machinery is considerable and it is probable that Government assistance is a condition of its purchase. Finally, a reduction is required in the freight charges from Palestine to the United Kingdom. The last is probably the most difficult of the three conditions.

(k) MINOR AGRICULTURAL PRODUCTS

The Silkworm.

The Department of Agriculture employs an expert in the breeding of the silkworm. The budget allotment is so small that the activities of the Section are crippled. This is the more unfortunate in that there is a group of Arabs who are familiar with the culture of silk, and there is a definite demand in other quarters for instruction, for provision of mulberry trees and for assistance to breed silkworms. This is a demand which should be met, if at all possible. Nothing of any importance is possible with the exiguous sums provided in the past, and it is of little use to pay an expert £300 a year in order to stimulate a demand, unless the creation of the demand is to be followed by some more positive action.

Present position of Silkworm Culture.

The culture of the silkworm is suitable to the conditions of smallholders both in the Jewish settlements and in the Arab villages in many parts of the country, and this is a useful line of development of a minor type, where the family income is small

and every additional piastre makes a difference. Of the reality of the demand there is no doubt. The Arabs of Nablus, to whom reference is made above, were willing to provide £100 towards the creation of a small factory if the Government would lend a further £100 to help them. A second application received from the same town in the month of May this year, stated that 4,000 men were out of work in the town and that, if a loan were given to the applicant, he would start a factory which would provide employment for at least a few of them. In some of the Jewish villages in the Emek the work has already been begun on a small scale. In general it may be said that the outlook for this small industry is not

unfavourable. Its practice is being" taught in some of the Government village schools. An effort might well be made to extend its usefulness.

Bees.

The production of honey is another activity for the smallholder. This industry is gradually extending, both among the Jews and among the Arabs, though the number of hives kept by the Jews is probably the larger. Export of honey first commenced in 1925 when 9 tons were despatched; in 1926 the amount exported was only 5 tons which sold for £325. The export rose to 11 tons in 1927, 17 tons in 1928 and 24 tons in 1929. The value of the honey exported in 1929 was £P.1,625 f.o.b.

Prevalence of Foulbrood.

Foulbrood first broke out in Palestine in 1924, when 400 hives were destroyed. Since that time there have been minor outbreaks from time to time, until last year, when there were two serious outbreaks in Jewish settlements, costing the settlers hundreds of hives. It is said that if taken at once, this disease is easily controlled.

Expansion of the industry.

Palestine honey is said to be as good as any in the world. With the extension of the orange groves the production of orangeflower honey has very largely increased; the same is true of eucalyptus honey. Wild thyme is becoming less plentiful, as the land on which it flourished is being broken up, but Palestine has a wealth of wild flowers and there is practically no limit to the possible extension of beekeeping. It is an occupation in which the fellah rapidly becomes expert, and which is popular among the Jewish settlers. The Government employs an expert, Mr. Ldpsbltz, who is also in charge of the Acre Poultry Farm. If the industry increases at a rapid rate, as it promises to do, it will be necessary to strengthen the personnel of the Department which deals with it.

(1) DAIRY AND STOCK BREEDING.

Contagious abortion.

In many of the Jewish colonies the basis of settlement is the dairy. A large number of bulls and cows were imported from Holland, and, as has been recorded in another chapter, an epidemic of contagious abortion has broken out. The Chief Veterinary Officer states that there are records of the existence of this disease in 60 per cent, of the dairy herds, but that it is probable that all cases have not been reported and that about 80 per cent, are in fact infected. The farms have been planned on the assumption that each cow will provide 2,500 litres of milk for sale, after the necessary deduction for consumption by the family, and for feeding of the calves. The price of milk has been estimated at 13 to 15 mils. The success of the farm naturally depends on the accuracy of these two assumptions. They have been vitiated by the epidemic of contagious abortion, which reduces the yield of the dairy affected for obvious reasons, and by the fall in the price of milk, which was selling in the Emek at the time of this enquiry at 10 mils net the litre.

Stallfeeding of dairy stock.

Stallfeeding of stock and sale of dairy produce is probably the most efficient way of using land in the larger area of the nonirrigable, or semiirrigable, tracts. In the agricultural development of the country as a whole, the method must take its place. But it must at the same time not be forgotten that the local market for dairy produce is very strictly limited, and that unless some method of disposal of the products is adopted, differing from the ordinary sale in the market, prices

will fall so that the area taken as a unit will prove to be insufficient to support a decent standard of life. It is therefore essential to explore the possibility of creating a canning industry for dairy products, and of manufacturing cheese for export. In both of these directions keen competition will be experienced, but unless the efforts made are crowned with success, the dairy cannot be regarded as the basis of settlement except in an area comparatively small, and the size of the holding will have to be enlarged.

CHAPTER IX.

Palestinian Industry.

Census of Industries : Summaries. In the year 1928 the Department of Customs, Excise and Trade undertook a census of the Industries of Palestine. This census indicates that, at that' time,

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there were 3,505 factories, establishments and workshops, employing in all 17,955 persons of whom 10,186 were wageearners, the balance of 7,769 including owners, clerks, technicians and, apparently, contract labour. Graph No. 2 appended, shows the distribution of persons employed by groups, age, sex and occupation. The average number of persons employed was 5.1 per establishment. This is an indication of the very small scale of the industry which is carried on in Palestine.

In the year 1927 the total expenditure of these establishments, including raw materials, salaries and wages, and fuel amounted to £2,975,401 an average of £849 per establishment. (Vide Graph No. 3.) They produced in all, industrial articles valued at a total sum of £3,886,149, or £1,109 on the average for each establishment. The total capital invested was £3,514,886, averaging just over £1,000 per establishment. Graph No. 4, appended, shows the racial distribution of the number of undertakings established, prewar and postwar, and the capital invested.

Food, Drink, Tobacco. The most important group was that dealing with Food, Drink and Tobacco. In this group there were 473 establishments, with a capital of £1,319,912, with an expenditure of £1,664,083 and production valued at £2,036,272. The group included flour milling, distillation of intoxicating liquors, bakeries, tobacco and cigarette manufacture.

Chemicals and allied trades. The next group in importance is that of Chemicals and Allied trades, including olive oil presses, soapmaking, etc. It employed a total capital of £638,313. The expenditure of the year 1927 was £506,409 and the production was worth £649,523.

Cement, Brick, Stone and Clay trades. The group, containing the Cement, Brick, Stone and Clay trades, includes one of the largest and most important individual factories in the country, the " Neshet " Cement Works. In the group are 148 establishments. The total capital invested was £517,106, the expenditure £155,903, and the value of the outturn £209,994.

Census of Jewish industry. The Jewish Agency has supplied a Memorandum on Jewish industry based on a census carried out in the month of March, 1930. It covered 2,274 urban enterprises, which gave work to 9,362 persons, had an annual wage bill of £476,452 and used raw materials to a value of £904,881. They produced finished

articles to a value of £1,635,462 and estimated their invested capital at £998,904. Thus the average number of workers per establishment is 4.11, who are paid on the average about £51 per annum. The raw materials used average £398 per establishment per annum. Per establishment the finished articles averaged £718 for the year, and the average invested capital was about £435.

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In the case of these purely Jewish industries also the average establishment is very small indeed.

The Memorandum divides the industries into three classes. In the first class there are 1,725 enterprises, in each of which less than five persons are employed. In the second class, employing from five to nine, there are 418 establishments. The third class comprising 131 establishments are those which provide occupation for 10 and over.

Of these Jewish enterprises, the most active period of foundation was that covering the years 1920 to 1924. That period saw the foundation of 50 of these larger enterprises, which now employ 1,515 persons and have a capital of £291,930. The following period, 1925 to 1929, was responsible for the creation of 56 enterprises, but they employ at the present time only 1,204 persons and have a capital of £188,489.

Principal industrial undertakings. Certain of the industrial concerns are deserving of special mention.

Of all the industries of Palestine at the present time, the two potentially most important are the concessions granted to Mr. Kutenberg for the production of electric power from the Jordan, now being worked by the Palestine Electric Corporation, Ltd., a company registered in London, and to Messrs. Novomejsky and Major Tulloch for the exploitation of the salts of the Dead Sea. This concession is now being operated by Palestine Potash, Ltd., also a company registered in London.

The harnessing of the Yarmuk and of the Jordan for the purpose of the first concession is now complete, and it will be no long time before electric current is available all over the North of Palestine, both for power and for light. Meanwhile all that is required is provided from the Company's Power Houses in Tel Aviv, Haifa and elsewhere.

Palestine Potash, Ltd., is also approaching the stage at which manufacture will begin. The waters of the Dead Sea are already being pumped up into the sand pans in which they will be evaporated by the sun and from which the concentrated liquor (carnallite) will be conveyed to the factory.

"Nesher" cement works. A large individual enterprise is the "Nesher" cement works at Haifa. These works are the property of the Portland Cement Company "Nesher," Ltd., registered in London with an authorised capital of £300,000, of which £250,000 is paid up. The Company has issued £50,000 of first mortgage debentures.

The factory produces firstclass cement. It employs at the present time 390 wageearners, of whom 250 are Jews, 10 Jewesses and 130 Arabs.

The Company commenced business in 1925. At that time the import duty on cement was 200 mils (4s.) per ton. In 1926 the total sales were 41,610 tons, of which 2,045 tons were exported.

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In 1927 the total sales rose to 45,888 tons, of which 9,012 tons were exported. In November of that year the duty was raised to 600 mils (12s.) per metric ton. In 1928 total sales were 59,165 tons, of which 11,332 tons were exported. In December, 1928, the protective duty was again raised, from 600 to 850 mils (12s. to 16s. 6d.) per metric ton.

In 1929, the total sales rose to 68,661 tons, of which 7,699 tons were exports. In the sixth annual report for the year 1928 the Company's profit was shown as

£19,271, and a dividend of 6 per cent, tax free was declared.

The Company's cement is sold in Palestine at dGP.2.700 mils (54s.) per ton. Last year, 1929, cement was exported to Syria, Cyprus and Egypt, but the major portion went to Syria, where it was sold at an average price of 45s. a ton9s. a ton cheaper than the Palestine price, notwithstanding the cost of transport to Syria. The Manager of the Company explained that building activity in Palestine is irregular, and that, in order to meet any sudden demand, it is necessary to maintain production at a higher rate than that justified by the average local demand. For this reason there is a necessity to dispose of the excess product so manufactured even at a price that is not remunerative.

" *Nesher* " cement: *Effect of protective tariff.* It is clear that the Company would have made a loss in place of a profit had the whole production been sold locally at the Syrian price. Also that the industry could not be maintained were it not for the protective tariff. The sole good reason in favour of the tariff is that it enables the Company to employ 260 Jews and Jewesses and 130 Arabs who might otherwise have been without employment. This argument is not convincing to the purchaser in Palestine, who ultimately has to pay the protective duty in the price of his cement. Specially is the argument unconvincing to him when the profit created by the protective tariff for which Palestine is paying passes into the pockets of an English Company registered in London. The expediency of increasing the protective tariff from 12s. to 16s. 6d. a ton in view of the profits gained under the lower rate of tariff is also frequently canvassed, and with reason.

Eastern Oil Industries, Ltd. The " Shemen " Works, of the Eastern Oil Industries, Ltd., a Company registered in London, were founded in 1929 by Messrs. Paenson and Wilbush. The Company was known as the Palestine Oil Industry " Shemen," Ltd., and it subsequently transferred the business to the present proprietors. The works are situated at Haifa. The factory manufactures olive, sesame and other oils from Palestinian products, and also coconut oil from imported copra. It makes toilet and washing soaps, cooking fats, boiled linseed, oilpaints, perfumes and sweets (such as " Halwa "); from the residue, cattle cake is pressed.

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The following statement shows the output, the sales and the maximum number of workers employed during three years 1927, 1928, 1929 and the present year up to 1st May :

••m

Year.	Output in Tons.	Sales in Tons.	Value.	Maximum Number of Workers.
			£	
1927 ...	2,742	2,308	96,700	122
1928 ...	3,959	3,298	130,700	228
1929 ...	7,706	6,462	168,700	258
1930 to 1st May		1,143	33,000	110

No manufacturing appears to have been done during the first four months of the present year. In all probability this is due to the present position in the oilstuffs industry. Overproduction of oil is universal in Palestine, and the price of all oil has fallen very heavily in consequence.

The labour employed is entirely Jewish.

Soap. Nablus is the great centre of the olive oil soap factories, and the export of

this soap is by far the most important of industrial exports from Palestine. The soap is manufactured in very primitive fashion, and maintains its market, chiefly in Egypt, owing to its wellfounded reputation for the employment of the purest ingredients. Animal fats of every kind are avoided, a fact which renders the soap pure in the eyes of the devout Moslem. The total value of the production of the Nablus factories is estimated at 6240,000 per annum. The proprietors of the factories and all the workmen, who number about 200, are Arab.

Tobacco: Messrs. Karaman, Dick and Salti. The factory employing the most labour is the tobacco factory of Messrs. Karaman, Dick and Salti at Haifa. The labour force, which is almost entirely Arab, numbers over 500. The factory manufactures cigarettes for the local market, and does a large increasing business. A second tobacco factory, that of Messrs. Maspero Freres, Ltd., belongs to a company registered in London, and also does an increasing business. Its personnel, which is chiefly Jewish, exceeds 100.

Grands Moulins de Palestine. Haifa is also the seat of the Grands Moulins de Palestine. These Flour Mills were originally founded by Baron Edmond de Rothschild, and it is understood that he still takes an interest in the venture. They commenced working in 1923, and the value of the annual outturn has varied between d690,000 and £145,000. They cater almost entirely for the home market, but occasionally export flour to Syria. The same company operates also a factory for the production of " matzot," the unleavened Passover cakes. The annual output of tffiis subsidiary factory is from 330 to 440 tons. Of the production about one half is consumed in Palestine and the other half exported. The two factories together employ slightly over 100 men and women, all of them Jews.

Complaints are made that no protection is offered to this industry. It is said that the competition of imported flour is such that the mills only produce to half their full capacity. It is pointed out that the import of foreign flour is actually greater than the amount of flour milled in the country. The manager of the mills expressed the hope that the import duty on flour might be increased and that on wheat reduced, as this would enable the local mills to grind flour from foreign wheat for the local market. He pointed out that the local wheat does not lend itself to the production of a white flour, such as is required to make white bread. All the local wheats are of the macaroni variety, and produce what he described as a " thick " flour, yellowish in colour. He also complained of the high cost of transport by the Palestine Railways. He stated that business was decreasing on account of competition, in meeting which the mills were at a disadvantage owing to the facts cited.

The wine industry. Wine is manufactured in the German Colonies, by the Salesian Fathers at Beit Jamal, and on a small scale in a number of ecclesiastical institutions. But the most important cellars are those attached to certain of the P.I.C.A. villages. The famous cellars of Richon le Zion and of Zichron Jacob were erected by Baron Edmond de Rothschild at his own expense, and he has leased them since 1906 at a nominal rental to the Cooperative Society of the Vinegrowers of the Cellars of Richon le Zion and Zichron Jacob, Ltd. The cellars at Rehovoth and the distillery at Gedera are the property of the Cooperative Society. During the last season the society has produced :

- 1,650,000 litres of dry wine.
- 1,035,000 litres of sweet wine.
- 56,000 litres of grape juice.
- 137,000 litres of spirit distilled from grapes and raisins.
- 70,000 litres of araki manufactured from alcohol or molasses.

The above has a total value of £80,000. Of this total production wine to the value of about £35,000 is exported.

The Cooperative Society complains of the high rates of Licence fees and Excise Duty, to which reference has been made earlier in this report. It also complains, as do other industries, of the high rate of railway freights on the Palestine Railways. In a note submitted for purposes of this enquiry the society writes as follows :

" Generally the business was improving up to the period of the disturbances in August last. The hard economical conditions nearly everywhere in Europe and the Orient, the fall in quotations of wine abroad, the doubled taxes and fees in Palestine, the troubles and disturbances in that country, the last order of the Palestine Government to restrict the immigration and very deep disappointment provoked amongst the Jewish Communities abroad, have necessarily affected the trade unfavourably in the home market and abroad."

Other industries. The smaller and newer industries, as a general rule prefer Tel Aviv to Haifa. These have in most cases been established by immigrants who have arrived in Palestine since 1920. A large number of them seem to provide employment for women rather than for men.

Printing. One of the industries which is growing rapidly and which shows signs of extension is that of printing. It is reported in the Memorandum submitted by the Jewish Agency that in Jewish establishments alone 1,030 persons are employed. At the time of the census of industries, the total number employed was 992, of whom 18.4 per cent, were Arabs. Assuming the same percentage of Arabs to be employed today and making the consequent addition to the Jewish return, the total number employed in 1930 would be 1,230, an increase of over 24 per cent, in the three years. That this industry should prosper is natural. It is engaged largely in the printing and publication of Hebrew books, for which there is an increasing world demand.

Smaller industries. Of other smaller industries the more interesting are those for the manufacture of artificial teeth, of fancy leather goods, of textiles and fruit products.

As to the factory of artificial teeth, the Memorandum of the Jewish Agency contains the following :

" No one writing on the industrial possibilities of Palestine could by any logical course of reasoning arrive at the apparently fantastic conclusion that Palestine is a country particularly suited to the manufacture of artificial teeth.

" But a Jew who had immigrated to the United States some forty or fifty years ago had become a most successful manufacturer of artificial teeth, and on coming to Palestine he found that he could manufacture them in Palestine successfully as well. They are now being made in Tel Aviv in a nice modern factory which gives work to over 50 workers and they are being exported, mainly to England"

Fancy Leather industry. The leather bag industry, which is showing distinct signs of progress, was introduced by some Polish Jews, who had technical knowledge of the leather industry. The " Zetge " Company now makes leather handbags in Tel Aviv and exports them to Egypt and elsewhere. The Company started in 1926 with one workman. It now employs 65 persons altogether. The Company made a request that leather should be considered as a raw material and should be admitted free of import duty. There is a protective duty of 15 per cent, *ad valorem* on Ready Fancy leather goods, and the import duty on expensive light leather has been reduced by 50 per cent. These measures appear to have assisted the industry considerably, and its very success tends to show that conditions of competition are not so severe as materially to affect the Company.

Textile industry. Of textile factories, according to the Census of Jewish industries, there are 40, of which 12 employ more than 10 persons apiece. Among these there is one which is producing stockings on a considerable scale. The exports of Stockings and Hose have increased from a value of £430 in 1925 to £17,532 in 1928 and £18,919 in 1929. Of this sum the major part is due to the " Lodzia " Stocking Factory. Its history is interesting, and is thus described in the Memorandum of the Jewish Agency :

" Some time ago some people came from Poland and started manufacturing these articles. They had some email experience of the business but not sufficient, and the factory proved a failure in their hands. It was taken over by another Jewish immigrant who all his life (in Russia) had been doing this particular business; he also had sufficient means and he made the factory into success."

The stocking produced is a very cheap article and evidently supplies a considerable demand both locally and in adjoining countries.

Fruitjuice and fruit products. An industry which, as yet of small proportions, may ultimately prove of great importance to Palestine is that of fruit juice and fruit products. The " Assis " Company manufactures fruit juice of excellent quality from oranges. There is a considerable quantity of oranges which for various reasons are not fit for export though perfectly sound fruit. With the increasing production of the orange the number of these unexportable oranges will increase rapidly, and the " Assis " Company is one of the agencies for profitable disposal of this fruit. It is desirable that efforts should be made to popularise the products of this and of similar concerns, in the interests of the orange growers. The produce of this factory much resembles that of a wellknown Australian factory.

THE DEVELOPMENT OF INDUSTRY.

Industrial enterprises before the War and subsequent increase. Of existing industrial establishments 1,236, with a total capital in excess of one million pounds were in existence before the War. Since the War therefore the number of establishments had increased up to the date of the Industrial Census by 2,269 or 183 per cent, and the capital by two and a half million pounds, or 250 per cent. This is a very material increase and it is almost entirely due to the importation of Jewish capital and the immigration of a Jewish population.

Industry in the past. Views of very differing nature are expressed in different quarters both in regard to the expansion of industry in Palestine in the past and as to its prospects in the future.

The remarkable feature of the past is the rapid increase of the small industry and the comparatively stationary position of the large. It is clear that the " Nesher " Cement Factory is dependent on protection not only for its profits, but for its existence. It could not compete with imported cement,

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were the protective tariff withdrawn. The withdrawal of the duty on imported oilseeds appeared to be a necessity to the success of the " Shemen " oil factory. The Cellars of Richon Le Zion and Zichron Jacob owe their very existence, not to economic action, but to the liberality and interest of Baron Edmond de Rothschild. The industry continues to prosper by reason of the protective duties on imported wines and spirits. The textile trade benefits by the import of its raw materials free of duty and by a 12 per cent, *ad valorem* tax on similar goods imported into the country. In fact, large industry in Palestine appears to depend on manipulation of the tariff. The rest of the population is taxed in order that the proprietors of these industrial concerns may be in a position to pay the wages of their labourers and to make a profit for themselves.

Small industries. The number of very small industries is most surprising. In the Memorandum submitted by the Jewish Agency it is stated that in the Colonies and

Villages there are over 400 enterprises in which 700 persons are engaged; i.e., on the average less than two persons per enterprise. It is difficult to imagine such an establishment as being more than an instance of home industry.

Number of persons employed. The figures of the Industrial Census of 1928 are very illuminating on this point of the small workshop. In 31.4 per cent, of the establishments no paid labour at all was employed, in 20.1 per cent, one wageearner, in 26.2 per cent, two or three, in 13.3 per cent, four or five. That is to say, that of the whole of the industrial establishments in Palestine at that time 91 per cent, employed five wageearners or less. At the other end of the scale twelve establishments, or 0.3 per cent, of the whole, employed over 100 wageearners, fifteen, or 0.4 per cent., employed between 50 and 100. The number of establishments employing over 50 wageearners was therefore twentyseven in the whole of Palestine, and they formed 0.7 per cent, of the total of industrial concerns.

Future development of industry: Jewish. The question of the future development of industry in Palestine is discussed at considerable length in the Memorandum of the Jewish Agency to which reference has been already made. The Memorandum considers that " from the point of view of Industry the whole talk of the absorptive capacity of the country is out of place and should be disposed of once and for all." The aim of Jewish industry is not " to cater for the wants of 600,000 Arabs, threequarters of whom are poor peasants it is to the Jewish Community itself and to Export that Jewish industry looks in the first place. It is quite incorrect to believe that Jewish Immigration is dependent on a market being already available; it is before all things Jewish immigration that creates the home market and conquers the foreign market What really defines the possibilities of future Jewish Industry in Palestine is a factor which has not yet received sufficient attention and which indeed is not yet to its full extent known even to the Jews themselves : *it is the human factor.*

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" The fundamental question *is not*
Where are we going to take the power?
nor

What raw materials are available?

not even although it is an important question, What are the best markets?

"The fundamental question is: Are there Jews, and how many of them are there, who are prepared to immigrate into Palestine if sufficiently encouraged, or at least not discouraged, and who will bring with them sufficient capital and adequate business experience, but preferably a sufficient knowledge of a particular industry in order to set up industries which may, each in its own line, compete with similar industries; and are there other Jews who are prepared to immigrate into Palestine to supply the skilled and unskilled labour required?

" If such Jews do not exist at all or are not available in any large numbers then the present investigation with respect to the possibility of an industrial immigration as distinct from an agricultural immigration becomes obviously purposeless. The problem will then have been solved by its nonexistence. It is the contention of the Zionists that such Jews do exist and that they are available in large numbers, that they clamour for admittance and that in settling in Palestine they will not drive (? away) the Arab population that it holds at present."

Possibilities of an extension of industry. The Memorandum goes on to point out certain promising directions in which there is scope for an extension of industry. It mentions the Clothing industry as a specifically Jewish industry all over the world, it suggests that there is no reason why Palestine should not rival Egypt as a centre of the Tobacco industry, it points out that the Jews of Poland play an important part in the Textile industry. It goes on to say that there are prospects

in Preserved Fruit and Vegetables, it refers to the success of the Printing industry, it anticipates great development of the Chemical industry as the result of the Dead Sea concession.

It then dwells upon the importance of the Tourist industry with all the subsidiary occupations accessory thereto. Finally, after pointing out the opportunities and the demands in the Building industry, the Memorandum closes by relying on the success of the past as an indication of the possibilities of the future, and insisting that such part of Jewish immigration as is meant to be absorbed by industry should not be limited by any imaginary absorptive power of the country.

" The absorptive capacity of the country, from the point of view of industry, is dependent only on the willingness and ability of Jewish capitalists to start industries which they may understand and the products of which they can market, and of Jewish labour to come in and work."

Future of Palestinian industry. It is a difficult thing to forecast the future of industry in a country, and not easier in the case of

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Palestine than in that of others. In fact it is more difficult, as the future development will not depend, as is ordinarily the case, on the economic capacity of the country, but on a stimulus which may be called artificial, without misuse of that word.

The Director of the Department of Customs, Excise and Trade wrote as follows on this subject :

" It is doubtful whether some of the larger concerns would be able to stand without outside help; but there are certainly several small factories which are making a profit and show every prospect of success and a striking example of this is the Artificial Tooth Factory

" It would appear that for a factory to have any real chance of ultimate success it must look to the markets of Egypt and Syria to take the larger proportion of its manufactures, and not to the Palestine market; it is therefore those factories which are manufacturing articles likely to find a ready sale in those countries which would seem to have the most prospect of success and to be worthy of Government assistance in the way of exemptions for raw material.

" It cannot be said that there are any prospects of the heavy industries enumerated above requiring any fresh labour, but certain additional labour might be required as some of the smaller factories progress. Probably at least 50 per cent, of such additional labour would be female

" A recent examination of the exports of manufactures from Palestine does not show that rapid expansion which is desired, even allowing for the setback owing to the disturbances in August, 1929. On the other hand, there is progress, although slow, and although many of the weaker concerns must fail, there are reasonable hopes of progress for certain industries in Palestine but not on anything like the scale that was at one time anticipated. In fact it would seem probable that it will be a matter of many years before Palestine is likely to be able to claim to be an industrial as well as an agricultural country."

Immigration as a solution of industrial problems. There is in certain quarters an optimism with regard to the industrial possibilities of Palestine which is founded chiefly on hope, partly on conviction. It has been quite seriously argued that the difficulty of disposal of an excess of dairy produce could be solved by the arrival of immigrants in sufficient numbers. A similar argument has been used with regard to housing. The more immigrants arrive, the more employment there will be for those whose occupation it is to build houses. From such a point of view, it is true that the introduction of capital and labour and the erection of textile mills on a large scale in Haifa and Tel Aviv would bring prosperity to the country until the capital was expended. But it is the duty of the Government to look further than the immediate present. There seems no reason why a Textile industry on the grand scale should be a success in Palestine, with labour paid at the rates fixed by the General Federation of Jewish Labour, while the mills of Japan and of Bombay, equipped with the most modern machinery,

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and employing the cheapest of labour, are unable to find sufficient markets for their goods. From the point of view of those whose ardent desire it is to import Jews from Poland and Russia and the Yemen into Palestine in large numbers, and whose object is gained when the immigrant has arrived in Palestine, it may be sufficient that temporary employment is assured. But the Government is responsible not only for the present, while the imported capital is supporting the new population, but for the future, when spending of the imported capital will be at an end and the immigrant will have to live on employment, which will then be dependent on the success of the mill in competition with the mills of the world.

Progress of industry. An examination of the figures of exports due to the existing industries does not support the view that the industry of Palestine is making very rapid progress. Mr. Goldwater has written for the Palestine Corporation Ltd. a most interesting and important general report on Palestine for the year 1929. At the end of that review he gives the figures of export of the principle products of industry, for the years since 1925. The totals of those figures for the past three years are the following :

	£
1927	426,983
1928	426,160
1929	482,826

In the first two of the three years, soap, an ancient indigenous industry, accounted for more than half the exports.

Industries likely to succeed. There are industries for which there is every hope of success in Palestine. There is no reason, as is pointed out in the Memorandum, why the Tobacco industry should not become increasingly important. It is exceedingly desirable that a Canning industry should prove a success if the Dairy industry and the Fruit industry are to expand in the future. Every effort should be made to extend the market for and the production of fruit juice. The Printing industry will doubtless develop naturally into an important branch of the industry of Palestine. If the Dead Sea concession proves to be a successful venture, it is impossible to forecast the magnitude to which the Chemical industry arising therefrom may expand. The Tourist industry (if it can legitimately be so designated) will doubtless continue to grow and to afford employment for a greater number of persons each year. All of these are perfectly natural developments.

Danger of unemployment. It would be a bad, and might prove a fatal policy, to attract large capital in order to start doubtful industries in Palestine, with the object of justifying an increase in the number of immigrants. The Memorandum spends much effort in an attempt to establish that the year of " so-called " crisis in 1926 was not in fact a year of crisis at all. It is a question, somewhat academic, of the meaning to be attached to the word

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crisis ". In that year the provision of relief works for the Jewish immigrants who could not otherwise obtain a living was actually necessary. Whether or not that should be designated a crisis is immaterial. It was an episode of which no Government would willingly contemplate the recurrence. The importation of large numbers of immigrants to be employed on new industries of extensive character whose economic success is quite problematical, might well cause a crisis compared with which the " so-called " crisis of 1926 would indeed seem unimportant.

Concentration on industries showing vitality. The correct principle governing the problem is to concentrate on those industries which already show signs of vitality and success, and to attempt to create those, such as are detailed in the Memorandum and above in this report, whose effect will be to increase the exports of manufactured goods and to employ as raw material Palestinian products of which it is impossible otherwise to dispose.

Arab industries. There exist certain indigenous Arab industries besides that of soap, to which reference has been made earlier. There is a Tanning industry, there is a Pottery industry, there is a Weaving industry and a Carpetmaking industry. All of these are on a very small scale. In any attempt to develop the country, the claims of Arab industry should not be overlooked. There is in existence a Society of a semicharitable nature which is designed to encourage and stimulate the indigenous industries. It will find its place in any general scheme of development.

Mineral deposits. The mineral resources of Palestine have been examined by the Government Geologist, who has published an interesting report.* There is no doubt that phosphatic rock exists in very large quantities, both in Palestine and in TransJordania, and that some of it is of good marketable quality. Transport is an outstanding difficulty. Bitumen has also been found, and there are oilshales in certain tracts. Recently an important deposit of sulphur is said to have been discovered in the Gaza area, and a syndicate formed to work it. Copper is believed to exist in the Akabah peninsula.

Though nothing very definite has so far been done, the chances of mineral development of the country exist, and this possibility should not be overlooked.

* "The Mineral Resources of Palestine and TransJordania," by G. S. Blake, Jerusalem, 1930.

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CHAPTER X.

Immigration.

The figures of Immigration since 1st November, 1922, are included in Appendix 22, and of Emigration in Appendix 23.

Early history. For the purposes of this report it is unnecessary to discuss the early history of immigration into Palestine. The original Immigration Ordinance came into force in 1920, under which the Zionist Organization were authorized to introduce into the country 16,500 immigrants per annum, on condition that they accepted responsibility for their maintenance for one year. This system was not found to be a success, and in May, 1921, immigration was suspended until revised conditions could be imposed.

Pronouncement of 3rd June, 1921. Those conditions were announced in a public pronouncement by the High Commissioner on 3rd June of that year.

The following categories of immigrants were permitted in accordance with the pronouncement :

- (a) Travellers who did not intend to remain in Palestine for more than three months,
- (6) Persons of independent means who intended to reside permanently in Palestine,
- (c) Members of professions who intended to follow their calling,
- (d) Wives, children and other dependents of persons resident in Palestine,
- (e) Persons with definite prospects of employment with specified employers,
- (/) Persons of religious occupation, who could show that they had means of maintenance in Palestine,
- (gr) Returning residents.

It was found by experience that these regulations were not altogether satisfactory; and in September, 1924, a series of new orders were issued under the form of Regulations under the Immigration Ordinance.

Immigration Ordinance, 1925. In the year 1925 the existing Ordinance was repealed and replaced by the Immigration Ordinance of that year, which, as amended in 1928, is still in force. Regulations under the Ordinance were issued in September, 1925. These again have been supplemented by Regulations dated 1st July, 1926, and amended by Regulations of 1st December, 1927. This Ordinance and these regulations are the legal authority which govern immigration into Palestine today.

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Categories of immigrants. Immigrants into Palestine fall into one of the following nine categories :

- A.(i) Persons in possession of £1,000 and upwards, and their families.
- A.(ii) Professional men in possession of £500 and upwards.
- A.(iii) Skilled artisans in possession of £250 and upwards. A.(iv) Persons enjoying an assured income of £4 per month.
- B.(i) Orphans destined for institutions in Palestine. B.(ii) Men and women of religious occupation, whose maintenance is assured, and their families.
- B, (iii) Students, whose maintenance is assured. C. Working men and women and their families. D. Dependent relatives of residents in Palestine, who are in a position to maintain them.

Class C is intended to include all who seek or accept employment, with the exception of those admitted under A (ii) or (iii).

It is also the intention not to admit in Class A (iv), B (ii) or (iii) and D, any persons who will seek employment or go into trade. It has been found by experience that the regulations are not entirely effective in this respect. Immigrants of Classes D and A (iv) are found to engage in trade. Formerly immigrants under Class D sought employment in many cases and still do so. Those under B (iii) also occasionally do so. *

Unrecorded immigration. In addition to the persons of the categories provided for those who desire to settle in Palestine, a large number of persons, amounting to some thousands each year, secure admission to the country in the guise of

travellers. Only a minority come under notice and, of these, those qualified are registered as immigrants under their respective categories. Those of the working class and under 35 years of age are counted against the Labour Immigration Schedule. The rest are refused permission to remain in Palestine, but it is exceedingly difficult to secure their departure, and a large number remain in the country. In addition a number of persons, not inappreciable, secure admission by evading such controls as exist on the frontiers.

No effective control of immigration into Palestine is possible unless steps are taken to deal with these two classes of irregular entrants.

Procedure in regard to the issue of Immigration Certificates. With reference to the Labour Schedule on which the number of immigrants under Class C is based, the Commission on the Palestine Disturbances wrote on pp. 104 and 105 of their report :

" We were informed by the Chief Immigration Officer that in the allocation to individuals of the certificates, which are supplied in blank to the General Federation of Jewish Labour, it is the practice

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of that body to have regard to the political creed of the several possible immigrants rather than to their particular qualifications for admission to Palestine. It is clearly the duty of the responsible Jewish authorities to select for admission to Palestine those of the prospective immigrants who are best qualified on personal grounds to assist in the establishment of a Jewish National Home in that country; that political creed should be a deciding factor in the choice between applicants is open to the strongest exception."

This statement of the Commission has been disputed by the Zionist Agency, who refer to Mr. Snell's Reservations at p. 175, where he describes the actual procedure. From enquiries made from the Executive of the Jewish Agency it appears that the regular practice is that described by Mr. Snell.

The Influence of the General Federation of Jewish Labour over immigrants and immigration. There is nevertheless a very close connection between the General Federation of Jewish Labour and the immigrant, even before he leaves the country whence he comes.

In each of the countries whence immigrants come, there exists an organization for preliminary training in agricultural practice. Close to Warsaw, for example, there is a large farm on which the Chalutzim, the Pioneers, obtain agricultural training and instruction. In Galicia they become paid agricultural labourers. Similar arrangements exist in Germany and in France. To each of these centres of training, the General Federation of Jewish Labour has deputed instructors. At the time of writing twenty of these teachers, almost all of whom are so deputed, are employed. These men, though representatives of the General Federation, receive from that Federation only the cost of their journey. Their expenses in the country in which they work are met either by their own earnings or by funds provided by some Zionist Organization.

The actual choice of the individual immigrant is, it is true, made by the Committee to which reference is made by Mr. Snell in his note of Reservations. It is at the same time clear that all the immigrants who come in on the Labour Schedule are trained by teachers deputed by the General Federation before they are so chosen. The large majority become members of the Federation immediately on arrival. The official in charge of the Hostel in which immigrants reside on their arrival at Jaffa is himself a member of the Executive of the General Federation of Jewish Labour, and as the Jewish Agency point out in a Memorandum on immigration which they have submitted in connection with this enquiry, the Immigration Department of the Jewish Agency provides for the registration of all arriving immigrants as members of the Kupat Cholim (the Sick Fund of the General Federation

of Jewish Labour).

It is therefore somewhat disingenuous to suggest that the General Federation of Jewish Labour is unconnected with the

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choice of the individual immigrant. In the great majority of cases the immigrant would have no chance of a permit, unless he were *persona grata* to the Labour authorities.

The following is an extract from the Memorandum submitted to the " Palestine Commission of Enquiry " (i.e., the Commission on the Disturbances of August, 1929) by the General Federation of Jewish Labour. After describing its many and important activities in Palestine, it says :

" The Federation exercises a decisive influence upon Zionist youth in the Diaspora, anxious to bring about the fulfilment of the Zionist ideal by their own labour. Practically all over Europe there exist ' Hehaluz ' (the Pioneer) organizations training Jewish boys and girls in agriculture and industry for the purpose of taking a direct part in the upbuilding of Palestine. These organizations, which supply the bulk of the human material for the Zionist work in Palestine that is based on manual labour, are organically linked with the Histadruth (i.e. the General Federation) which controls their educational work. An immigrant Halutz automatically becomes a member of the Histadruth upon his arrival in Palestine. . . . "

A further quotation bearing on this point is the following, extracted from a communication from Agudath Israel, the body of orthodox Jews :

" We do not think that there is any ground for the anxiety expressed in the Report of the Shaw Commission regarding the alleged party influence on the distribution of certificates, but the attitude towards immigrants of the religious class has been very unsatisfactory up to the present. In Poland, the chief source of Palestine Jewish immigration where orthodox Jewry, i.e. Agudath Israel, holds a very important position, young men of this class were refused immigration certificates, in spite of the fact that such religious people have a still greater longing for Palestine owing to the holiness of the land and to the respective religious bidding"

From the above it is evident that though the detailed facts alleged before the Commission may not have been exact, the statement made did in essence convey a general description of the position, which is not by any means far from accurate.

Preparation of Labour Immigration Schedules. The preparation of the Labour Immigration Schedules is governed by Regulation 8 made under the Immigration Ordinance. Twice in each year the Jewish Agency presents a memorandum giving the number of men and women immigrants whom they consider will be needed for new employment during the period under review, and exposing the reasons in detail. This memorandum is considered by the Chief Immigration Officer in the light of information received also from other sources, as, for instance, the Director of Public Works, the General Manager of the Palestine Railways, the principal employers of labour, the General Federation of Jewish Labour. Information which has come to officers of the Immigration section in the course of their regular work and investigations is also taken into consideration.

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The information available from all sources is then tabulated in the following form

:

- A. Jewish Unemployed.
- B. Jews whose employment will cease during the half year.
- C. *Total.*
- D. Additional Jewish labour required by larger employers and public bodies.
- E. Estimated requirements of small employers.
- F. Reserve.
- G. *Total.*

Assuming that G exceeds C, the difference is recommended to the High Commissioner as the figure for the Schedule and this recommendation is considered by him in Executive Council.

The Reserve to which reference is made is a number of 300 placed at the disposal of the Chief Immigration Officer to meet special cases which may occur during the six months, as for instance applications for particular skilled men wanted by an employer for his work, the need having arisen after the preparation of the Schedule. This reserve is authorised by Regulation 9 (1).

Procedure adopted after schedule approved by High Commissioner. A schedule having been approved by the High Commissioner, the necessary number of immigration certificates is prepared. Of these the required number is reserved for private employers in Palestine whose applications have been approved and whose candidates are qualified for the Schedule. Certificates are also reserved for working men and women within the ages laid down, who are found during the Schedule period to be in Palestine without permission. The remainder of the certificates less the " Reserve " (F. above) are placed at the disposal of the Jewish Agency , which is expected therefrom to provide to all Jewish young men and women (excepting wives) of the working class on whose behalf application is made by relatives for immigration certificates during the half year.

Authorization of Visas. The Jewish Agency is asked to indicate where the respective visas will be claimed and in reply a list is sent in the following form :

	Men	Women
Warsaw (say)	500	300
Berlin	200	100

etc., etc.

The original certificates are then sent in blank to the Agency for distribution to its representatives in the towns concerned, duplicates being despatched to the British Passport or consular officers in the same towns.

Instructions are conveyed to Passport or Consular Officers intimating that visas may be granted to persons who fulfil the conditions laid down, and who are nominated by the Jewish Agency representative, and that those who are married may obtain visas at the same time for their wives and minor children. Visas should in no circumstances be granted to men and women to whom there is known political or medical objection, or objection on account of character.

Failure of the system. The system described above fails to work well in certain particulars. In many cases persons have been admitted who, if the facts had all been known, should not have received visas. A large number of these cases have been examined. A considerable number concern Yemenite Jews who immigrate from Aden. The following cases all concern immigration certificates which have been

used during the last three months, and were issued by the representatives of the Jewish Agency at Aden :

- (i) A man aged 30 with a wife aged 20 and a son aged 12. This would imply that the son was born when his mother was eight years old.
- (ii) A man aged 28 with a wife aged 18 and their son aged 12. In this case the mother must have been six years old when the son was born.
- (iii) A man aged 23 with a wife aged 10 and their daughter aged 5.
- (iv) A man aged 35 with a wife aged 24 and their daughter aged 15.
- (v) A man aged 35 with his wife aged 25 and their daughter aged 16.
- (vi) A man aged 35 with his wife aged 26 and their son aged 15.
- (vii) A man aged 30 with a wife aged 22 and a son aged 12.

The Immigration Officer writes with reference to cases .such as these :

" It would appear that the practice is growing up in Adenit is not unknown elsewhere of attaching wives and families to persons entitled to immigration certificates so that by this means the passport control of this Government may be evaded"

The following is the copy of a letter dated 14th April, 1930. •from an immigrant who has been in the country some years : " My wife arrived in Palestine on 26th November, 1925, together with (A.B.) as the latter's wife. She was unable to arrive as my wife because I, myself, entered as a traveller and was not yet in possession of a permission to remain in the country. Since my wife strongly wished to join me and meanwhile the wife of (A.B.) became ill (he was in possession of a permission to enter Palestine on her behalf) my wife and our son arrived on his passport.

" (A.B.) left the country approximately in May, 1926, for Canada via JaffaParis. I am unaware of the exact date of his departure.

Respectfully, **Y.Z.**

note.I cannot recollect whether the first name of Mr. (B) was (A) or (C)."

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The above illustrates two typical cases of irregularity. The writer had entered as a Traveller and remained without permission. The wife was introduced on an immigration certificate by fraud.

*Weakness of, and responsibility under the present system.*The second case and the cases of the Yemenites discussed earlier indicate a weakness in the present system. The authority responsible for the issue of the certificates is the local representative of the Jewish Agency. He is also responsible for seeing that the person who actually travels, is the person for whom the certificate was issued. It is true that the Yemenite cases should have been detected by the officer who dealt with the visa. The facts were not concealed. They were actually stated on the passport. But the primary responsibility rests with the local agent of the Jewish Agency.

*Selection of immigrants abroad.*In the Memorandum of the Jewish Agency on Immigration, the subject of the selection of the emigrants abroad and of the care with which they are chosen and assisted till their arrival at their destination is described in full. The following is a quotation from that Memorandum :

" The selection of the immigrants for Palestine is the first and paramount responsibility of the Palestine Offices abroad, which represent all the Zionist

circles interested in the upbuilding of Palestine. These Offices act on the periodical instructions of the Immigration Department of the Jewish Agency, which in turn are given after consultation with the Immigration Board."

It is clear therefore that the Jewish Agency accepts the fullest responsibility for these cases of irregularity. That fact, however, does not render it any the easier to rectify matters, when the immigrant has arrived in Palestine.

Government control abroad. It is difficult for the Passport Officer or for the Consular Officer to examine all these cases minutely. At the same time it is most important that they should be so examined, both in order to prevent persons being admitted to Palestine who have no right to enter, and to protect the country from characters who may be undesirable. The Immigration Department used to have its own representative at Warsaw to deal with immigration from that centre. The post was abolished for reasons of economy. It is desirable that the post should be reconstituted. It is also desirable that there should be officers representing the Immigration Department in all the centres whence immigration is on a large scale. Only thus will it be possible to ensure both against irregularities in connection with the certificates and against the immigration of undesirables.

Travellers remaining in Palestine. The case of the traveller who enters with permission to remain for a limited time and then stays on without sanction to do so, is exceedingly common. It is calculated that the numbers of such cases were 2,400 in the year ending June 30th, 1928, 3,400 in the following year and 2,000 in that ending on June 30th, 1930, that is to say, that in the last three years 7,800 persons stayed in Palestine without permission.

Evasion of the frontier control. Another serious feature of immigration is the number of persons who evade the frontier control and enter Palestine without formality of any kind. It is exceedingly difficult to maintain any effective control of the various frontiers of Palestine. At the present time such control as exists is carried out at police posts on the roads. The immigrant who wishes to evade the control naturally leaves the road before reaching the frontier and takes to the footpaths over the Hills.

Mr. Dowbiggin, who recently enquired into the police of Palestine, remarked on the fact that this duty of controlling immigrants is not a duty which the police should be called upon to perform. It is eminently a duty for the Immigration Department, and it is understood that the Palestine Government is about to replace the Police who are employed on this duty by officials of that Department.

Discouragement of illicit entry. As to the treatment of such immigrants when they are discovered, it should be the rule that they are at once returned to the country whence they came. The rule may possibly work harshly in individual cases, but unless it is understood that detection is invariably followed by expulsion the practice will not cease. It is probable that it will cease entirely as soon as it is discovered that the rule is actually in force.

The case of the " pseudotraveller " who comes in with permission for a limited time and continues in Palestine after the term of his permission has expired is more difficult. Each case requires consideration on its merits. Where the case is flagrant, recourse should certainly be had to expulsion. In cases of no special flagrancy, and where there is no objection to the individual, it is probably sufficient to maintain the present practice, under which he is counted against the Labour Schedule, though this method does a certain injustice to the Jewish immigrant outside the country whose place is taken by the traveller concerned.

Immigration and the General Federation of Jewish Labour. In order to understand the connection between the question of immigration and the labour movement in Palestine it is necessary to have some idea of the activities and policy of the

General Federation of Jewish Labour. This powerful Federation is in reality far more than a federation of labour in the ordinary sense. In the Memorandum which the Federation submitted to the Commission on the Disturbances it describes itself and its own activities as follows :

" The General Federation of Jewish Labour (Histadruth Haovdim Haivrim Haklalit) is the largest organised body within the Jewish population of Palestine. It numbers 27,000 members, men and women, and encompasses the whole range of the organised activities of the Jewish working class in town and country. It embraces all the Trade Unions and all the different types of workers' cooperatives in colonisation, production, consumption, contracting and credit. Workers' cooperative settlements on the land affiliated with the Histadruth cover practically the whole field of the agricultural colonisation carried out by the Zionist Organisation during the last twenty five years. Out of the total number of 123 Jewish agricultural communities, settlements of this type number 46. The Federation conducts educational work among adult and adolescent workers and workers' children for which purpose it has built up a network of schools, libraries and reading rooms in all labour centres. It issues a daily paper and an agricultural journal and publishes books and pamphlets on social, educational and scientific subjects. It carries on a medical and sanitary service through the Workers' Sick Fund, which maintains hospitals, clinics, dispensaries, convalescent homes, and scores of physicians and nurses. The Federation represents a widespread social organism, its members and their families accounting for over a quarter of the Jewish population The Labour Federation constitutes an important factor within the world Zionist movement. At the last Zionist Congress more than a quarter of the total number of delegates represented such Zionist circles, both in Palestine and abroad, as are identified with the Federation. ..."

Settlement of cases in which members are concerned. This Federation refuses to allow its members to have recourse to the Courts of the land in cases of dispute with another member. It has its own Courts of first and second instance and its Labour High Court to which appeals from the subordinate tribunals lie.

Jewish labour as the keystone of the Jewish National Home. It looks upon Jewish Labour (which it most effectively represents) as the keystone of the Jewish National Home. By permission the following is quoted from a letter of Dr. Arlosoroff, one of the members of the Executive of the Federation. Referring to that view, he says :

" (a) The upbuilding of the National Home means not only the return of a homeless and drifting race to the soil; but, at the same time, the return of a people which for centuries have been cut off from the sources of productive work to a life of labour and toil, the life of a selfsupporting community.

" (fe) Without the manifold kinds of manual work which naturally form part of a people's everyday life being undertaken by Jews, the National Home in Palestine could never attain to that degree of selfreliance and coherence without which it cannot have any meaning whatever in modern Jewish life.

" (c) The National Home which is not the profit hunting enterprise of a Chartered Company must not be built upon the foundation of cheap native labour exploited by immigrant capitalism.

" (d) Jewish enterprise in Palestine is the result of a conscious effort on the part of various Jewish groups and individuals to cooperate for the purpose of the National Home; it is based on the influx of Jewish capital public and private and should therefore provide the natural centre of absorption for Jewish labour.

" (e) The young Jewish immigrants, most of whom are coming to this country with the intention of settling on the land, need a training ground for their future

independent career as farmers or planters; employment at Jewish plantations or farms during a number of years provides the necessary training."

The above note puts shortly the argument for the admission of Jewish labour in the interest of building up the Jewish National Home, though there may already be other labour in the country competent to do the tasks available. In another letter the Executive Committee of the General Federation wrote :

" When, therefore, immigration is restricted by administrative measures, not only is the inalienable Jewish right of return to Palestine assailed but an obstacle is also placed in the way of the country's general progress. At this point our meaning must not be misunderstood. We are not basing our claims to unrestricted immigration on the benefits which the Jewish influx confers upon the other elements of the population. We believe ourselves to be fully entitled to serve the interests of the Jewish masses and to let this consideration determine our line of action This is our stand in principle, but it is our privilege to point to the fact that in practice our immigration and settlement, far from ousting other elements, has actually spelt more plentiful employment and a higher standard of life for the rest of the population The checks to Jewish immigration are bound to hamper the country's progress and can therefore bring no good to any part of its population Our basic right recognised by the Mandate, is to bring in without hindrance as many Jews as Palestine can be made ^to absorb by its natural possibilities and by our own constructive efforts. We are, therefore, opposed to any restriction of immigration which is not based on the prospects of employment, but upon such political or economic reasoning as fall outside the scope of Jewish efforts. It follows that the control of immigration must be left in the hands of the Jewish Agency, this being the only responsible body that is both under an obligation and in a position to strike a balance between the needs of immigration and the constructive efforts of the Jewish people."

The General Federation of Jewish Labour has adopted a policy which implies the introduction into Palestine of a new social order, based on communal settlements and the principle of self labour. Where self labour is impossible, it insists on the employment of Jewish labour exclusively, by all Jewish employers. It has been sufficiently powerful to impose the policy on the Zionist Organisation, to the extent that, as it points out in the memorandum from which a quotation has been given above, 46 of the Zionist colonies are based on the principle of communal settlement. This principle was condemned both by the Experts in their report and by the Joint Palestine Survey Commission, but that fact has had small effect either on the Labour Federation itself or on the Zionist Organisation, for communal labour colonies are still being constructed.

The question of the power, the principles and the activities of the Federation were discussed by Dr. Elwood Mead and his Associates, and at pp. 51 to 53 of the Experts' Report they wrote as follows :

" The activities of organised labour and its conception of the extent to which it should participate in the founding and organisation of settlements and in the selection of settlers was candidly set forth at a conference between the Commission and five representatives of the

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Agricultural Workers' Association and four members of the General Federation of Jewish Labour. At this conference the Commission asked these representatives to explain their relation to rural colonisation and what the Federation or its subsidiary branch, the Agricultural Workers' Union, sought to accomplish. The principal reply was made by Mr. Shertok, who is a labour official, and an editor of a Palestine labour paper. He is a man of ability, sincerity and great influence in the organisation. A part of his statement is incorporated:

" ' In respect to the agricultural wageearning workers it (The Jewish Federation of Labour) acts as a Trade Union Executive, negotiates conditions of employment, etc., but in respect to the settlements it is not a trade union at all, but is more or less an economic authority, that is, it is responsible on behalf of all these people towards the Zionist Executive, the Keren Hayesod, etc., for the plan of settlement, the yearly budget, and also it is responsible for the human composition of these settlements. The Union as such has the say as to who is going to settle and how these groups are going to combine. The Union is the authority for all these settlements.'

" In further explanation of the colonising activities of the General Federation of Labour and of the Agricultural Workers' Union, Mr. Shertok said:

" ' We must try and bring in people and press for more employment and make all sorts of arrangements that will facilitate penetration of a Jewish working class element in these colonies. When we come to the Zionist Executive with a claim for new settlement and are told that it is impossible at the moment we do not always rest content with such an answer. We know the land, and so we can come forward with proposals, we make suggestions, we tell them that we are going to help them, and we also give suggestions, sometimes, as to obtaining financial means.'

" In response to the Commission's statement that settlers were suffering great hardships and money was being wasted by founding settlements faster than the funds at the control of the Executive warranted, Mr. Shertok replied :

" ' Your contention may be valid only on one assumption, it is that the Zionist Organisation, however small its means may be, has an assured influx of money, which is not the case. This is the most decisive factor. You say it is better to go slowly but surely, and then it will go quicker in the end, but the thing is that the Zionist Organisation gets its money from Jews abroad. Jews are giving money for Palestine for a variety of psychological reasons. They are making great financial sacrifices; and the most important factor is the work that is being done in Palestine. Perhaps it will be true to say that not Keren Hayesod made the Emek, but the Emek made the Keren Hayesod. The fact that land was bought and people rushed to that land, made great sacrifices, contented themselves with very little, gave an impetus to Zionists abroad to give money, and to Jews at large, because they saw what things were being done in Palestine.'

The Commission feels strongly that this belief that it is necessary to establish new colonies, regardless of ability to equip them properly, in order to secure money from abroad is a delusion. It is confident that the interest in a national home does not have to be sustained by wasting money or squandering the time and efforts of settlers as is now being done. Furthermore, the financial situation which is being created will discredit the Zionist movement unless promptly changed.

The financial and economic statements that have been secured ought to be carefully studied by those interested in this matter. "It is the view of the Commission that activity of a particular group or party is undesirable; that the influence of the Jewish Federation of Labour is giving these colonies a character not in harmony with the ideals and aspirations of the Jewish race. It is believed that the opportunity to live in the open country ought to be available to the Jewish people regardless of their views on social or economic questions. To place one party so largely in control is a discrimination against many who would be valuable additions to the rural life of Palestine.

" The Commission has been unable to escape the conclusion that the rate at which colonies have been founded, the selection of settlers for those colonies, and the organization and equipment of the Colonization Department have been largely influenced, if not controlled, by the General Federation of Jewish Labour. "We are therefore of the opinion, as already stated in our major conclusion No. 4, ' that

the Department of Agricultural Colonization should be reorganized and placed in charge of officials committed to the primary aim of creating a self-sustaining agriculture, rather than of establishing a new social and economic order.'

" The Commission has no opposition to labour. On the contrary, its members believe in organised labour, but it has the same opposition to labour control and colonization in Palestine that it would have to control by bankers, lawyers or any particular party or economic group"

In Sir John Campbell's " Report on the Jewish Settlements ", published in the same volume, he wrote at p. 436.

" Effective practical control has in a large measure passed out of the hands of the Palestine Executive into the hands of a political organization. The Labour Federation has, in practice, controlled the situation. From the initial selection of the immigrants, down through finance and technical departments to the choice of the men to be settled, the place where they are to be settled, the resources to be placed at their disposal, the plan to be followed in establishing them, the apportionment of funds as between different classes of settlers, the Labour Federation has governed the situation. In other words, the body which is technically and ostensibly responsible for the work has not in practice effectively controlled that work; power has been, more or less completely divorced from responsibility."

These extracts from the reports of the Experts describe the position as it is today with remarkable accuracy. The General Federation of Jewish Labour continues to carry out, at the expense of the generosity of World Jewry a social and economic experiment of great interest, but of questionable value. The Jewish Agency either approves of this experiment or is impotent to suppress it.

The sources of immigration. Of the Jewish immigrants over 70 per cent, come from Poland, Russia and B/Romania. Of recent years there has also been a large influx of Yemenite Jews.

In a supplement to the Memorandum of the Jewish Agency submitted for the purposes of this enquiry, the reasons for the extent of the immigration from these four countries is explained. With reference to Poland it is said :

" This situation was aggravated by the fact that there simultaneously arose amongst the Poles themselves a movement to enter that field of activity which was previously controlled by the Jews. This economic penetration was accompanied by a national economic struggle, in which State and people worked together to eject the Jews from their former economic positions, making considerable use of the cooperative movement for this purpose. All these factors combined to bring ruin upon the Jews of Poland, rendering immigration on a large scale imperative. It is particularly for the Jewish youth of Poland, which aspires to go over to manual labour and productive pursuits, that Palestine affords the essential solution."

In regard to Russia it records :

" The Jewish religion also has been singled out for malicious and savage persecution. Thus for the Jews of Russia the appalling economic conditions to which they have been reduced, and the political and religious persecution to which they are continuously exposed, make emigration the only possible alternative to economic extinction on the one hand and racial and moral degeneration on the other"

As to Roumania it is recorded :

" With the postwar annexations by Roumania of Bessarabia, Bukovina, and

Transylvania, the Jewish population rose from 960,000 souls, whose economic condition is aggravated by the fact that a considerable proportion of them those of Bessarabia have been cut off from their former economic hinterland in Russia. Political depression and periodical anti-Semitic excesses are further factors in the Palestine movement among the Jews of this country, where Zionism has been strong since the founding of the first Jewish Colonies in Palestine and the inception of modern Zionism"

In regard to the Yemen it is written in the supplement :

" The Jewish community dates back to pre Islamic times and estimates as to its numbers vary from forty to sixty thousand souls. These Jews, are deprived of all civil rights, while there is in force a monstrous decree that all orphans who are minors become wards of the Imam, and must adopt Islam, a decree which in recent years has been enforced more rigorously than previously. The Jews of the Yemen are for the most part skilled workers in handicrafts or agriculturists, while being bred to life in the Orient they very readily assimilate Palestinian conditions. The journey from the Yemen to the coast of Aden takes twenty days; and is fraught by perils of brigandage and murder, yet by this terrible route some 2,000 Yemenite Jews have entered Palestine since the War. Of these no less than 600 entered during the past year, their departure from the Yemen being largely stimulated by fear of the decree as to the forcible conversion of orphan children"

The above is a very frank explanation of the reasons which have actuated the movement from these four countries to Palestine. By the Zionist Palestine is regarded as the haven of refuge for the distressed Jew, and the National Home is being peopled to a great extent for the time being, by those who escape from countries where distress is most pronounced.

Immigration and Unemployment. It is widely believed and commonly alleged among the Arabs that unemployment among them is due to Jewish immigration and the competition of Jewish labour. In so far as Jewish labour is employed on works which are being carried out solely with imported Jewish capital, there is no basis for the belief. It is however impossible to ascertain whether labour has been imported in excess of what is necessary for these purposes. Indeed from the fact of the increased employment of Jewish Labour on other enterprises, as for instance in the Public Works Department, on the railways, in building enterprises such as Hotel, Y.M.C.A. buildings and other edifices not paid for by purely Jewish capital, it might be argued that more Jewish labourers have been imported than are necessary for purely Jewish requirements, and that, to this extent, the Arab labour market has been adversely affected by Jewish immigration. On the other hand, there is no doubt that the development which has followed on Jewish immigration during the last nine years, has provided additional openings for Arab labour. The expansion of the orange trade alone requires the services of a large number of Arab porters and boatmen at the ports. The same may be said of the large imports of machinery and material in connection with the Jordan Concession, with the Dead Sea Concession, and with the construction and working of the " Neshar " Cement Company. All of these have provided a certain amount of work for Arabs, chiefly on the heavier and more menial tasks. In many directions Jewish development has meant more work for the Arabs, and it is a fair conclusion that the competition of imported Jewish labour is equalized by those increased opportunities.

Figures in regard to the numbers of unemployed. No statistics of unemployment, except those provided monthly by the Immigration Department, exist, and these are admittedly unreliable. The reported figures for the current year are as follows :

Month.	Jews.	Arabs.	Total.
1930	850	2,000	2,850

January	800	2,400	3,200
February	600	2,300	2,900
March ...			
April ...	1,000	2,400	3,400
May ...	650	2,200	2,850
June	1,300	2,600	3,900

The information on which the monthly unemployment figures are based is obtained, under existing arrangements, by officers 'of the Immigration Department in Jerusalem, Jaffa and Haifa, and by Police Officers elsewhere. Enquiries into changes in wage rates and into conditions of labour are made by the same officers. Other Departments may be and are from time to time consulted, and readily communicate any available information, but in their case also the machinery necessary to an effective enquiry does not exist. The staff of the section of the Immigration Department responsible for collecting labour information was reduced to a minimum in 1928 for reasons of economy, and since that time the work in connection with immigration proper, including, as it does, reference to London and to the Commandant of Police in every case of a visa for Palestine, in favour of a resident in Russia, has resulted in superficial and hurried preparation of the estimates of Arab unemployment. It is reported that information collected by the Police is even less satisfactory. The duty is one for which the Police officers have no training, no time and no aptitude. Enquiries necessary for the preparation of unemployment returns are in no sense a police function. In fact, in this instance they are called upon to perform a duty with which they should never have' been charged.

For the Jewish authorities, with their extensive system of Labour Exchanges and the Statistical Department of the Labour Federation, it is an easy matter to provide information on the subject of Jewish unemployment which may be regarded as accurate and exact. In the case of Arab unemployment, no adequate machinery exists which would enable an opinion, even approximately accurate, to be formed at any given moment.

Arab unemployment. At the same time there can be no doubt that there is at the present time serious unemployment among Arab craftsmen and among Arab labourers. For this unemployment there are several causes. Motor transport, largely in the hands of the Jews, is driving the camel and the donkey off the roads, and with them the Arab camel driver and the Arab donkeyman. The motor car, again largely owned and driven by Jews, is displacing the horsedrawn vehicle and its Arab driver. The increased use of cement, reinforced concrete and silicate brick, all manufactured by Jews, is replacing dressed stone for constructional purposes, and so displacing a large number of stonedressers and stonemasons, nearly all of whom are Arabs. The Arab quarrymen are also being displaced.

But probably the most serious cause of additional unemployment is the cessation of conscription for the army, prevalent under the Turkish Government. The young men now remain in the villages. Formerly they were despatched to the Yemen or to Anatolia, and

A many, indeed the majority, of them, failed to return. In Jewish circles the story of Arab unemployment is regarded as a myth. There are also individual members of the British Colony at Jerusalem who do not consider it serious. It is difficult to form an opinion, impossible to dogmatise, on the subject of Arab unemployment, but careful consideration of available information on the subject supports the belief that such unemployment not only exists but is serious and widespread. The estimate submitted by the Supreme Moslem Council, that altogether from 30,000 to 35,000 Arabs are unemployed, may be discarded. The figures were described as " fairly reliable." No explanation was offered as to the authority by whom they were supplied. There is, however, ample other evidence. A note by Miss Margaret Nixon, Government Welfare Worker, records that from her personal

knowledge there is very serious unemployment among Arabs of the artisan class in Jerusalem. She suggests that the reason lies in the refusal of Jewish employers to engage Arab labourers in view of the riots of last August. Enquiry was made from a British Police Officer who had made a personal investigation into the question at Haifa. He reports that in that town alone 2,050 Arabs are unemployed, including 200 carpenters and 300 stonemasons. From Trans-Jordan it was ascertained that a report that further recruits were required for the Frontier Force resulted in " well over " 4,000 men, mainly from Palestine and Northern Trans-Jordan, besieging the Headquarters of the Force in hope of employment. In Rarnleh there were 120 applicants for the post of scavenger overseer on a salary of £2.750 mils (£2 15s.) a month.

The Director of the Public Works Department was consulted on the question and stated that there was no difficulty whatever in obtaining all the labour required for his Department. The programme of that Department for the future is important and includes 12 or 13 buildings which will cost from £140,000 to £150,000. In his opinion, even if Jewish immigration were to cease altogether, there would be no difficulty in obtaining the personnel necessary to complete these undertakings.

The Resident Engineer of the Haifa Harbour Works wrote on this subject :

" There is no question but what there is a very great deal of unemployment in the Arab section of the population, and I have little doubt that, so far as the Harbour Works are concerned, labour requirements could be met two or three times over. Just as an illustration, about a fortnight ago we engaged some 40 additional men to work at the Quarries near Athlit. The news that more men had been started quickly spread, and on one morning last week I myself saw a huge crowd of Arabs seeking work, and they must have numbered some 400 or 500 men"

Many of the Area and District Officers were consulted. They expressed an unanimous opinion that Arab unemployment is serious and general. In the face of this information from independent sources it is impossible to avoid the conclusion that unemployment among the Arabs is a serious feature of the economic life of Palestine at the present time. Much information was also volunteered as to the trend of Arab wages, from which it would appear that unemployment, as is natural with unorganised labour, is affecting the standard of life. The information obtained indicates that in the case of skilled artisans, carpenters and stonedressers the fall in wage rates amounts to 50 per cent. A competent artisan can still earn 15 to 20 piastres (3s. to 4s. per day). A fellah workman is content to accept 8 to 10 piastres (1s. 8d. to 2s.). The Deputy District Commissioner of Jerusalem stated that this year (1930) tenders for municipal contracts were at half the rates demanded in 1929, the decrease being due to the fall in Arab wages. The tales told by Arab workmen themselves were impressive. Several of them were men who had enjoyed a certain measure of ease and prosperity in the past, but whose conditions had deteriorated during recent years. There were mastermasons who used to employ a number of subordinates, yet now are not only not in a position to employ any assistants, but are themselves destitute, owing to the inability to find work. There were carpenters who produced excellent certificates and are in the same plight. There were labourers who are willing to accept any wage if only they could obtain work. All of them ascribed their misfortunes, probably quite erroneously, to Jewish competition.

Further immigration and its effect on Arab unemployment. It is thus evident that Arabs are unemployed in at least considerable numbers, and that the fact is resulting in a distinct reduction of the standard of life among the Arab labouring class. As has been pointed out, the policy of the Jewish Labour Federation is successful in impeding the employment of Arabs both in Jewish colonies and in Jewish enterprises of every kind. There is therefore no relief to be anticipated from an extension of Jewish enterprise unless some departure from existing practice is effected.

Recent increase in Jewish unemployment. There is also evidence of increasing unemployment among the Jews at the present time. The return of unemployment for the month of June showed that 1,300 Jews are out of work as compared with 650 in the previous month. The Labour paper, "Davar," published by the General Federation of Jewish Labour, wrote on 8th July :

" Conditions of employment during the last weeks have grown worse Hundreds of cheap labour are employed in seasonal work And the Jewish labourer goes idle The help from our central organisations is required in order to avoid undesired developments, especially at the present time."

Next day it wrote :

" The present situation requires the mobilisation of all public forces to meet the danger. Many of the employers in the colonies have recently forgotten all shame when dealing with the question of Jewish employment."

The Chief Immigration Officer writes on this question, after a visit to the large village of Petach Tikvah :

" The presence of men and women without work could not be concealed. The representative of the local trade union admitted about 200 unemployed .but assured us that this was merely a temporary matter The local police estimated unemployment at between 300 and 350, a figure that is probably correct"

The reason for the unemployment probably lies in the fall in the price of oranges, which renders it difficult for the growers to pay the higher rate of wages for Jewish pluckers, and so they employ Arab or Yemenite labour.

Duty of Government in regard to immigration. A serious question thus arises in connection with the immigration of Jewish labour, and with the labour schedule which regulates that immigration. There appears to be no question as to the policy which should be adopted by the Palestine Government in this matter. It is the duty of the Government to look upon the country as one unit. The solution of the question facing the Government, in determining the number of Jewish labourers to be admitted, must depend, not on the amount of Jewish unemployment in reference to anticipated employment in the half year for which the schedule is framed, but on unemployment generally in Palestine. It is wrong that a Jew from Poland, Lithuania, or the Yemen, should be admitted to fill an existing vacancy, while in Palestine there are already workmen capable of filling that vacancy, who are unable to find employment. This policy will be unacceptable to the Jewish authorities.,

Employment of Arabs in Jewish concerns. One of the Executive of the Jewish Labour Federation put the case quite clearly. He said, "We would not initiate the work if we were compelled to employ Arab labour. The Zionist object in development is to employ Jews. Unless Jews can be employed we fail in our object." The principle underlying this statement is logical and comprehensible. The Jews do not spend their capital in the development of Palestine in order that Arab unemployment should be overcome. Nevertheless, by the Government, Palestine must be treated as an entity and there must be no discrimination between the races which it contains. If there is unemployment, whether Jewish or Arab, it is clearly the duty of the Government to prevent immigration if such immigration will intensify that unemployment or prevent its cure.

" *Derived Demand.*" There is one special case to which the principles enunciated above will not apply. It has been pointed out that Jewish capital will not be brought into Palestine in order to employ Arab labour. It will come in with the definite object of the employment of Jewish labour and not otherwise. The principle of ' ' derived demand ' ' would justify the immigration of Jewish labour even when there are Arab unemployed in the country if the newly imported Jewish

labour is assured of work of a permanent nature, through the introduction of Jewish capital to provide the work on which that labour is to be employed. It is clearly of no advantage to the unemployed Arab that Jewish capital should be prevented from entering the country, and he is in no worse position by the importation of Jewish labour to do work in Palestine for which the funds are available by the simultaneous importation of Jewish capital. In fact, he is better off, as the expenditure of that capital on wages to Jewish workmen will cause, ultimately, a demand for the services of a portion of the Arab unemployed. It is in this way that the principle of " derived demand " works in his case,

The Government, however, must be well assured that the employment for which the Jewish labour is imported is permanent in its nature, that this labour will not be employed for a time and then thrown on to the labour market. This would only aggravate the unemployment position in the country.

It would be justifiable that the Government should demand from the Jewish Organisations that a security fund should be initiated, to assure against Jewish unemployment in all such cases. If a substantial sum were deposited with the Government as a guarantee, to provide for the maintenance of overimported labour, in case of unemployment, it would be a much easier task for the Government to deal with the Labour Schedule. Negotiations on this subject might be undertaken between the Palestine Government and the Jewish Agency for Palestine.

Unemployment statistics and Government Employment Exchanges. The principle that the preparation of the Labour Schedule shall depend on the total unemployment in Palestine demands that the existence of that unemployment shall be accurately determined. As has been shown above, no machinery exists at the present time which permits of an accurate estimate of Arab unemployment. Such machinery must be devised. In the towns this result could be obtained by the creation of Government Employment Exchanges, with which the existing Jewish exchanges might be amalgamated. Arrangements to facilitate the employment of the unemployed is the function of a Government rather than that of one section of the population. The existence of Employment Exchanges would permit of a comparatively accurate estimation of the number of Palestinian unemployed, whether Arab, Jew or other, at any moment.

In the villages, the question is of great difficulty. Registration of unemployment might be entrusted to the Area and District Officers, who could obtain the information through the Mukhtars (Headmen) of the villages. The question of machinery is one for the Palestine Government, but whatever machinery may be employed it should be such as will afford to the Government at any time, or at such stated intervals as may be laid down, accurate information as to the total number of unemployed, classified according to their occupations. Only when such reliable information is available will it be possible to prepare the immigration schedule on a rational basis.

Seasonal and occasional labour. There are two obvious dangers against which provision must be made in the execution of any measures dealing with the registration of unemployment. The first lies in the large amount of casual and temporary unemployment of the agricultural labourer and indeed of the small Arab cultivator. Of this class many individuals flock to the towns in order to earn something in addition to what is yielded by the land. The agricultural labourer is paid entirely in kind, while, in the case of the small cultivator, unless he can eke out his income during the agricultural offseason, he is frequently unable to obtain the cash necessary to pay his taxes or his moneylender, and for the year's purchases which are essential for his household. There can be no valid reason for refusal to register as unemployed temporary labourers of this kind, if they are in fact in the labour market, and in fact unemployed. The regulations of the employment exchanges should, however, be so framed as to ensure that the names of persons of this class seeking employment should be removed when seasonal activity causes them to return from the towns to the villages.

Importation of other than Jewish labour. Further, it is clear that if unemployment is a valid reason for preventing Jewish immigration, it is also a reason for preventing importation of labour of other nationalities. At the time of writing, even with marked unemployment among Arabs, ^Egyptian labour is being employed in certain individual cases, and its ingress has been the subject of adverse comment in the Press.

Prevention of illicit immigration. Finally, in closing the front door, steps should be taken to ensure that the backdoor should not be kept open for would-be immigrants into Palestine. The Chief Immigration Officer has brought to notice that illicit immigration through Syria and across the northern frontier of Palestine is material. This question has already been discussed. It may be a difficult matter to ensure against this illicit immigration, but steps to this end must be taken if the suggested policy is adopted, as also to prevent unemployment lists being swollen by immigrants from TransJordania.

Arab unemployment as a political pawn. The question of unemployment and immigration has been treated solely from the economic standpoint. It has immediate political repercussions with which this enquiry is not concerned, but which must receive consideration from His Majesty's Government in arriving at a decision. Two of these repercussions will require particular attention :

First, Arab unemployment is liable to be used as a political pawn. Arab politicians are sufficiently astute to realise at once what may appear an easy method of blocking that immigration to which they are radically averse, and attempts may and probably will be made to swell the list of Arab unemployed with names which should not be there, or perhaps to ensure the registration of an unemployed man in the books of more than one exchange. It should not prove difficult to defeat this manoeuvre.

Article 6 of the Mandate and its effect on immigration. Second, there is the repercussion on the policy of the Jewish National Home. It is evident that any interference with freedom of immigration is a limitation to the admission of Jews who desire to take part in the local constitution of that Home. Article 6 of the Mandate, however, directs that the rights and position of other sections of the population shall not be prejudiced by Jewish immigration. Clearly, in cases in which immigration of Jews results in preventing the Arab population obtaining the work necessary for its maintenance, it is the duty of the Mandatory Power, under the Mandate, to reduce, or, if necessary, to suspend, such immigration, until immigration will not affect adversely the opportunities of the Arab for employment. Elsewhere in this report the exclusion of Arab labour from the land purchased by the Jewish National Fund has been discussed, and it is pointed out that this exclusion is liable to confirm a belief that it is the intention of the Jewish authorities to displace the Arab population from Palestine by progressive stages. This belief, which, however unfounded it may be, is unfortunately very widely held, will be confirmed when it is realised that the immigration of Jewish labour is permitted while the Arab cannot earn his daily bread. On general grounds, therefore, as well as in order to carry out the terms of Article 6 of the Mandate, it is necessary that the existence of Arab unemployment should be taken into consideration when determining the number of Jews to be admitted at the time of preparation of the Labour Schedule.

Suspension of the Labour Schedule. A question which has developed marked political importance is that of the suspension of immigration under the Labour Schedule which was ordered by His Majesty's Government at the end of the month of May of the present year. That Schedule was prepared in the ordinary way and sanctioned by the High Commissioner. Its suspension caused the greatest excitement, which has even now not altogether subsided. At the time there is no doubt that the recommendations of the Chief Immigration Officer, and the decision of the High Commissioner were justified by the prospects of work in Palestine. Since that time

conditions have changed and there are at the moment signs of an economic crisis in Palestine. Prices have fallen suddenly and heavily. As has been shown in this Chapter, unemployment is widespread and is increasing. The immediate outlook for industry is bad. Economically it would be unwise to allow into the country a large number of additional workmen for whom work must be found, when there is at the moment difficulty in finding work even for Jewish workmen.

To leave the economic argument for a moment, it is said that there is an important psychological aspect of the question which escapes the notice of an enquiry purely economic. The suspension of labour immigration, it is alleged, has created the impression that the British Government is, if not hostile at least apathetic in the matter of the National Home and that this attitude finds its expression in the suspension in question. As a result of the impression so created, the flow of capital to Palestine and of subscriptions for the settlement work in that country have both been affected. The capitalist doubts the security of his capital. The benevolent questions the utility of his subscription if the National Home is in the end to prove a phantom.

Those who use these arguments, and they are universally used among the Jewish community, suggest that there is in fact no danger in reopening immigration. On the contrary they are of the opinion that the cancellation of the order of suspension would at once restore confidence, stimulate the flow of money to Palestine, and so prevent the very economic difficulty which is anticipated.

There is weight to be attached to these opinions and those arguments. They are held and used by those who have the most acute knowledge of Jewish psychology. Yet from the purely economic standpoint, it has to be said that to cancel the suspension would be to take a risk, not justified by the economic position of the moment. It is not the province of this report to suggest whether it would or would not prove justifiable from the political standpoint.

Preparation of the Labour Schedule: Proposed change in method. It is probable that a slight change in the method of preparation of the Labour Schedule would tend to increase the amicable relations between the Jewish authorities in Palestine and the Immigration Department. There is no reason why the Schedule should not be prepared by the representatives of the Jewish Agency and of the Immigration Department working together. If thought desirable some commercial authorities outside the Agency and the Government might be called into council as, for example, the Manager of Barclay's (Overseas) Bank at Jerusalem and the Manager of the Anglo Palestine Company, each of whom is in intimate touch with the economic position in Palestine,

If the representatives of the Agency and the Department were in full agreement the agreed schedule would be submitted for the orders of the High Commissioner, who would doubtless accept it as it stood. If on the other hand there were disagreement on any of the items of the Schedule, the items on which agreement had been reached might be submitted under the signature of both parties, and separate schedules submitted in respect of items on which there was disagreement. The High Commissioner would then pass such orders as he thought fit.

Formation of a Department of Immigration, Labour and Travel.. At the present time the Immigration work is done by a section of the Police Department. The work is very voluminous and important and it is unsuitable that it should be connected in any way,, even nominally, with the Police. The amount of work and the size of the staff both justify the creation of a Department of Immigration, specially as the Immigration staff deal also with Travel and with Labour. In view of the additional work which will fall upon this staff in consequence of the necessity to create a service for the registration of unemployment, it is exceedingly desirable that the Immigration Service should be detached from the Police Department and constituted a Department of Immigration, Labour and Travel.

CHAPTER XI.

Conclusion.

In this Report the subjects of Land Settlement, Development and Immigration have been examined in that order as it is evident that the question of Immigration depends on the action taken in respect of the first two. It now remains to make a resume of the facts which have been established in the course of this enquiry.

land.

Land available for settlement. (Chapter II.)

It has emerged quite definitely that there is at the present time and with the Present methods of Arab cultivation no margin of land available for agricultural settlement by new immigrants, with the exception of such undeveloped land as the various Jewish Agencies hold in reserve.

Government Lands. (Chapter I. Section (Hi).)

The most important of lands, the property of the Government at the time the Mandate was given, were the Beisan area and the Huleh Basin. Of these the Beisan area was settled, in accordance with the terms of the Mudawwara Agreement of 1921, with the Arabs already in occupation or who had claims to possession. The Huleh Basin was subject to a concession already granted by the Ottoman Government which was confirmed by the Palestine Government. Of other considerable areas the Kabbara Swamp, the Caesarea Sanddunes and a portion of the lands of Athlit, an area in the neighbourhood of 39,000 dunams, were ceded to the P.I.C.A. It is an error to imagine that the Government is in possession of large areas of vacant lands which could be made available for Jewish settlement. In fact free areas are negligible in extent. The Government claims considerable areas which are occupied and cultivated by Arabs. Even were the title of the Government admitted, and it is in many cases disputed, it would not be feasible to make those areas available for settlement in view of the impossibility of finding other lands on which to place the Arab cultivators.

The provision of a margin depends on material progress in the development of the land already included in holdings. It has been shown that the area of cultivable land in Palestine (excluding the Beer-Sheba region) is 6,544,000 dunams, considerably less than has hitherto been estimated. It has also been shown that, while an area of at least 130 dunams is required to maintain a fellah family in a decent standard of life in the unirrigated tracts, the whole of the cultivable land not already in the hands of the Jews would not afford an average lot in excess of 90 dunams, were it divided among the existing Arab cultivators. (*Chapter III.*) For an average holding of 130 dunams, about eight million dunams of cultivable land would be required. It also appears that of the 86,980 rural Arab families in the villages, 29.4 per cent, are landless. It is not known how many of these are families who previously cultivated and have since lost their land. This is a matter which should be ascertained in the course of the Census which is to take place next year.

Present agricultural policy. The condition of the Arab fellah is little if at all superior to what it was under the Turkish regime. No definite policy of agricultural development of the country held by the Arabs has been adopted. The sole agencies which have pursued such a consistent policy have been the Jewish Colonisation Departments, public and private. With this exception agricultural progress of any kind has been haphazard and of small extent or value.

Jewish and Arab advantages and disadvantages. (Chapter V.) The Jewish settlers

have had every advantage that capital, science and organization could give them. To these and to the energy of the settlers themselves their remarkable progress is due.

(Chapter VI.)The Arab has had none of these advantages and has received practically no help to improve his cultivation or his standard of life. The Arab population has increased with great rapidity and the land available for its sustenance has meanwhile decreased by about a million metric dunams which have passed into the hands of the Jews.

Compensation of Beduin for loss of grazing rights. (Chapter VI.)~The problem of the Beduin requires careful investigation, in order that their rights may be ascertained. Where those rights conflict with the requirements of the State for agricultural development, the Beduin should be compensated, if those rights are annulled.

*Alterations of terms under which Jewish National Fund purchases and leases land. (Chapter V. Section (Hi).)*Reference has been made to the terms on which the Jewish National Fund purchases and leases its land. It is there recorded that those terms are objectionable and should be radically altered.

*Government's duty under the Mandate.*It is the duty of the Administration, under the Mandate, to ensure that the position of the Arabs is not prejudiced by Jewish immigration. It is also its duty under the Mandate to encourage the close settlement of the Jews on the land, subject always to the former condition. It is only possible to reconcile these apparently conflicting duties by an active policy of agricultural development, having as its object close settlement on the land and intensive cultivation by both *Arabs and Jews*. To this end drastic action is necessary.

*Agricultural Development Scheme. (Chapter VII.)*A methodical scheme of agricultural development should be thought out and undertaken, which will ensure the use of the land of the country to better purpose than has been the case hitherto. This development should have two distinct aims :

*Improvement of the Fellaah's methods. (Chapter VII.)*In the first place, to improve the method of cultivation of the Arab fellaah in the dry tracts, and also to extend irrigation wherever that is possible, so that the fellaah will be able to gain a reasonable livelihood from a smaller area of land than that which has been essential hitherto.

*Rearrangement of holdings.*In the second place **to** to rearrange holdings of land, that there will be a margin for further settlement in accordance with the terms of Article 6 of the Mandate.

*Development of irrigation.*If such development is undertaken in accordance with a definite plan and the cultivable land of the Plains of Palestine improved, as in many places it can be improved, by the provision of water for irrigation, there will unquestionably be sufficient land both for Arabs and for additional Jewish settlement. The results desired will not be obtained except by years of work.

*Jewish reserves of land.*It is for this reason peculiarly fortunate that the Jewish organizations are in possession of a large reserve of land not yet settled or developed. Their operations can continue without a break while the general scheme of development is being worked out and brought into operation.

*Control of disposition of land.*Until the scheme is worked out the control of all disposition of land must of necessity rest with the authority in charge of the development. Transfers should only be permitted in so far as they do not interfere with that scheme.

*Powers for Government purchase of land.*In order that any scheme of development should be a success, the authority controlling ^6 development must be able to obtain the land which it is intended to develop. It may be possible that arrangements to this end can be concluded amicably between the Government and the owner of land required. In such cases naturally the Government would buy the land. It should also have the power to purchase at a valuation all land for sale in the market. On the other hand in any case in which the Government refuses to sanction

a sale of land, the would-be vendor should have the right to demand that the Government take over that land at a valuation.

It may be however that the Government will not be able to acquire the land it needs by private arrangement or by purchase at a valuation. In such a case it already has the power to act, under the Expropriation of Land Ordinance No. 28 of 1926, and to acquire the land at a valuation, as being required for a public purpose.

Development Commission. The development of the land could best be ensured by the appointment of a Development Commission, invested with the necessary powers. It is desirable that there should be a Chairman of British nationality, one Arab Commissioner and one Jewish Commissioner.

Responsibilities of the Development Commission. The Commission would not only undertake the development of the land but would also be responsible for its colonisation, both by Arab and by Jew. Until the survey is finished and the census is taken next year, it is impossible to say what the actual area available for cultivation may be and the number of Arab families whom it may be necessary to displace.

Available areas in the plains. The Jewish Agency has made a calculation which indicates that there is room for 54,900 additional families in three of the five plains, namely, the Maritime Plain, the Huleh Plain, and the Jordan Valley, including Beisan. This is the result of a careful and detailed examination of the cultivable area and of the possibilities of development. It is true that the figures adopted in this calculation differ from those of the Director of Surveys in certain areas, and it would not be possible to accept the estimate as strictly accurate. It is at the same time certain that a large number of additional families can be provided with improved holdings in these areas.

It is impossible to give anything like a reliable estimate of the number of families who could be accommodated in Palestine, if the whole country were adequately developed. The development of 100,000 dunams in certain areas of the Maritime Plain might perhaps provide sufficient land for the settlement of 5,000 to 6,500 families. Accommodation would probably be thus provided in such an area for the families already on the spot, together with 2,000 families of Arabs from the congested areas in the Hills and 2,000 families of Jewish settlers. A similar area in Beisan would accommodate possibly only one half or twothirds of the number of new families. Everything depends on water for irrigation and markets for the produce. But there can be no doubt that systematic and methodical development over a series of years will change the whole aspect of agricultural Palestine, and admit of a largely increased population.

Coordination of Development Schemes. Any scheme of development should provide for the settlement *both of Jews and of Arabs* on the developed area, and should take into consideration the plans of colonisation of the Jewish agencies, in order that development by those agencies and by the Commission might be coordinated. It might well prove possible to combine two schemes of development in certain areas with mutual advantage and with considerable economy.

Cost of settling a family. It is assumed that the average expenditure on settling one Arab family will be about £60. This does not provide for anything luxurious in the way of settlement. The Arab builds his own house. It costs him £10 per room. If he builds a house of two rooms, £40 will remain, which will be sufficient to provide him with a good cow, an iron plough and a harrow. The family will already have cattle and implements and it will not be necessary to provide maintenance. Though the standard of life of Arab and Jew differ materially, no difference could be made either in the size of holding allotted or in the amount granted for settlement. If the Jew desires a more liberal settlement, and he will desire it, clearly he must obtain its cost elsewhere than from the Development Commission.

Distribution of developed land. The distribution of the developed land should be made to Jews whose names are borne on lists supplied to the Commission by the Jewish Agency, and to Arabs named by the District Commissioners. The claim of would-be settlers of both sections of the population should be considered

simultaneously, and the Commission must have the final decision on the claims.

Cooperation between Jewish agencies and the Development Commission. The scheme proposed depends for its success on loyal cooperation of the Jewish Colonisation Agencies with the Development Commission. The Commission should be in constant touch with those agencies, and their schemes of development, though intended for Jewish settlement alone, must be so framed as to fall in with the scheme for the development of the country as a whole. This is the only way in which the provisions of Article 6 of the Mandate can be observed and close settlement of Jews on the land encouraged while the position of the other sections of the population is not prejudiced. There will doubtless be difficulties at the commencement in coordinating Jewish plans with those of the Commission, but with goodwill on either side and a realization of the common object those difficulties should be capable of resolution.

Artificial inflation of land values. It is also only by cooperation that artificial inflation of the price of the land will be prevented. At the present time, the price of land in Palestine has risen to an exaggerated height, owing to the determination of the various Jewish purchasing agencies to buy, at all hazards and at any price, land which comes into the market, and the fact that the owner knows that if he only holds, he can get his price. As the price of the land, or an adequate percentage on that price in the form of rent must be collected from the population to be settled, the scheme will fail if the land is bought at an unreasonable price, such as the present price. It is thus an essential condition of success that the land should be bought at a reasonable price. This is only possible either by agreement; between the Government and the Jewish purchasing agencies or by Government control over dispositions of land. The object desired might be attained by a "gentleman's agreement" between the Jewish Agency and the Commission. Control, however, would be essential in any case in order to prevent the incursion of third parties desirous of speculating in land.

Ascertainment of the number of landless Arabs. The forthcoming census should be used in order to ascertain the number of Arabs who have become landless. It would also be well if the number of fellahin who have not a holding on which they are able to maintain a reasonable standard of life could be ascertained through the Area and District Officers. These two classes are dealt with by Mr. Snell in his Note of Reservations. to the report of the Commission on the Disturbances. He says on page 177"

The Arab, on the other hand, should be secured in the possession of sufficient land to provide him with a decent standard, of life " and on p. 181, " If there are still Arabs who are landless through the failure of the Palestine Government to apply administratively the provisions of the Land. Laws in force in that country, steps should be taken by the Government to settle them on the land at the public expense. . . .

Migration: Its difficulties. The task of a Development Commission will not be easy. It will involve, among other problems, that of migration. Evidently it will not be possible to increase the size of a fellah's holding in the Hills, except by arrangement which will involve the transfer of some other fellah from the Hills elsewhere and the use of the latter's holding to increase that of the former in the attempt to create a "lot viable."

"The process of migration involves many difficulties of which not the least is the understandable objections of the occupiers in the neighbourhood of the new holding to immigrants being given land to which they consider they and their families have a prior claim. Much tact and foresight are necessary in planning migration schemes and inducing holders to migrate to a part of the country where the local associations would be strange to them Though migration formed a definite part of the policy of the late Congested Districts Board in dealing with their Estates the inherent difficulties prevented a development of the policy on a very extensive scale The now almost universal scope of land purchase in Saorstát Éireann makes it possible to effect more extensive schemes of migration."

The above is a quotation from the Report of the Irish Land' Commissioners for the

year ending 31st March, 1929. There is no doubt that similar difficulties will be encountered in any policy of development which entails migration as a consequence. In the case of the fellah, however, the conditions under which he lives are so unbearable that the difficulty of migration is not likely to be presented to the same degree. He is always migrating, even at the present time. He goes to any spot where he thinks he can find work. Many have left the country altogether. Emigration of a similar nature is understood to be common both in Syria and in 'Iraq.

Relations with the Department of Agriculture. The relations between a Development Commission and the existing Department of Agriculture will require determination and definition. There is danger both of jealousy and of overlapping. Both of these dangers are evitable. The object of the two agencies is identical, namely, the improvement of the condition of the smallholder. If the relations between the Commission and the High Commissioner are close and cordial, as must be the case if the scheme is to have full success, those between the Commission and the Department should not fail to be satisfactory.

Spheres of action of the Development Commission and Department of Agriculture. The broad principle of division between the two agencies is the following: It is the duty of the Development Commission to improve the land for the cultivator; to introduce irrigation if possible, to regulate the size of the holding so that it shall be appropriate, and to arrange for its occupation either by migration of Arabs already in the country, or by the settlement of Jews who have immigrated under the auspices of the Jewish organizations. It is the duty of the Department of Agriculture to look after the technical side of the cultivator's life, to provide him with education and, if possible, training, to render him more capable than he is at present to use the improved land to the best advantage when it is made available for him by the Development Commission. There will be borderline cases. For instance, it is conceivable that the Development Commission may establish nurseries to provide trees for the improved land. The Department of Agriculture may also have nurseries to provide trees for the cultivators generally. But by the application of ordinary commonsense, there should in practice be no difficulty in arranging the spheres of action of the two authorities.

Hydrographic Survey. It has been recommended that the Government should institute a hydrographic survey of Palestine. This is essential to satisfactory development of the country and to methodical development of irrigation. Meanwhile one of the first tasks of a Development Commission will be the examination of the available water resources, in order that development may commence where there is the most immediate likelihood of success. They will require the services of the irrigation engineer of the Government for this purpose.

Urgency of Irrigation Legislation (Chapter VII). The contemplated legislation to regulate irrigation and to render it more efficient should be passed as soon as possible. The control of all irrigable water should remain with the Government, and all surplus water above that on which rights have been or may be established should be its property. It is regrettable that the Government has in one case parted with the irrigation rights in an important source to a concessionaire, and steps should be taken to ensure that in that case satisfactory arrangements are made for a supply of water for irrigation at an early date.

Formation of an Irrigation Department. It is not desirable that the irrigation services should be a branch of the Agricultural Department and subject to the Director of that Department. They should be constituted a separate service with a Department dealing only with irrigation.

Occupancy Right. The question of the creation of occupancy right of the agricultural tenant is discussed. No measure short of such right will suffice to secure the tenant against ejectment or the imposition of an excessive rental. The

bestowal of the right will, it is true, reduce the market value of the property on which the tenant is settled, but it is essential that his tenure should be rendered more secure than it is at the present time. Legislation should be introduced as soon as is possible to confer on the tenant in Palestine that right, which exists all over India. This legislation should also secure the tenant against increases in his rent except under the orders or with the sanction of a Court. A register of all tenancies should be compiled in the course of the settlement now in progress.

Partition of Mesha'a (Chapter IV). The tenure in common known as mesha'a which prevails in nearly half of the Arab villages of Palestine has been described and discussed, and it has been recorded that this system is a great obstacle to any agricultural development of the country. It is essential that steps should be taken to partition the mesha'a villages as expeditiously as possible.

Acceleration of land settlement (Chapter IV). It has been pointed out that the maintenance of the record of rights which is now being prepared, and of a register of tenancies, is a necessary condition of good administration of the agricultural tracts. The work of the settlement, which is extremely complicated, is proceeding very slowly, and should be accelerated, if that is possible. If the delay is due to the expense of the settlement, and the inadequacy of the Settlement Budget, that Budget should be increased. The work is so important to the Government for its general purposes, and so essential to activities of a Development Commission, that no avoidable delay should be tolerated.

Abolition of imprisonment for debt (Chapter VI.) Imprisonment for debt is an anachronism and should be abolished.

Redistribution and reduction of taxation (Chapter VI). Agricultural taxation is excessive in Palestine at the present time. The Tithe is based on prices of produce which have fallen by about 50 per cent, since the Tithe was commuted. Until arrangements can be made so to redistribute the burden of taxation that it will fall more fairly in accordance with the financial ability of the taxpayer, the Tithe should, if possible, be suspended. If that is not possible, it should vary with the average market price of produce.

Registration fees Reduction of fees. The fees at present charged for the registration of dispositions of land, especially those on sale, mortgage and succession, are so high as to prevent the registration of changes in title consequent thereon. It is desirable, in the interests of the maintenance of an accurate record of rights, that these fees should be reduced.

agriculture.

Coordination of Agricultural Scientific Services (Chapter VII, Section A). It is urgently necessary that steps should be taken to prevent overlapping between the scientific establishments of the Government, of the Jewish Agency and of the Hebrew University. It is preferable, and would be more economical, that the Government, rather than duplicate such services, should grant a subvention or should make payments for services rendered.

Increase of Department of Agriculture's Budget (Chapter VII). It is a question whether the Agricultural Department should maintain certain minor 'Services, as, for instance, the Fisheries Service and the Sericultural Service, with its present limited Budget. The existing Budget is insufficient for the work which the Agricultural Department should perform. It should be increased.

Demonstration plots (Chapter VII). Of all the agencies of an agricultural department in a country of smallholders none is more valuable than the Demonstration Plot. It is also one of the most economical methods of bringing practical and practicable improvements to the notice of the peasant cultivator. It is suggested that this method might well be adopted by the Agricultural Department, in Palestine.

Distribution of trees (Chapter VII). Another valuable agency for improvement of the holding of the peasant is the distribution of trees either at cost price or below it.

Separation of the Forest Service (Chapter VII). The Forest Service is not one which

should be attached to the Agricultural Department. It should be constituted as an independent service.

education.

Increase of Budget of Department of Education. The educational budget is by far too small for the requirements of the country, and it is recommended that it should be increased.

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Agricultural course for Schoolmasters (Chapter VII). Agricultural development is dependent on the spread of elementary education. It is desirable that all village schoolmasters should be given a six months' course at an agricultural school, and that the curriculum of the village school should include elementary instruction in agriculture. Each village school should have a small plot of land which will serve as a school garden and demonstration plot. There should be close cooperation between the Departments of Education and of Agriculture.

COOPERATION.

Encouragement of cooperation between Arab and Jew in Orange Industry. (Chapter VII, Section D.) The Jewish Communities are very well served by a series of efficient Cooperative Societies.

It would be to the general advantage of the country if these societies or such of them as are suitable for the purpose, could be made available to Arab members. It would be of special value if the orange grading and packing Society " Pardess " could enlist Arab orange growers. into its membership.

Constitution of Cooperative Credit Societies. The constitution of Cooperative Credit Societies among the fellahin is an essential preliminary to their advancement. The whole question is being examined at the present time, by Mr. Strickland, on behalf of the Palestine Government.

AGRICULTURAL DEVELOPMENT

Government acquisition of the Huleh Concession. (Chapters I and VII, Section C.) If the Huleh Concession falls in, the land should be retained by the Government for development purposes. This area is one of the most fertile in the whole of Palestine and provision could be made for a large number of families on a comparatively small developed area.

Limitation of orange cultivation. (Chapter VIII, Section (a).) The area under the orange is increasing with very great rapidity. It appears doubtful whether the market will be able to digest the amount of fruit which will be produced at the end of the next five years, when all groves now planted will be in bearing. Generally there is an optimistic spirit among the growers, but it would seem to be the path of wisdom to await the result of the recent rapid extension before further increasing the area.

Development of other fruit crops. (Chapter VIII, Sections (b), (c), (e), (/).) Attempts should be made to encourage the cultivation of other fruits and valuable crops, rather than to depend entirely on one crop. The grape fruit offers good prospects. The Palestine fruit is excellent and it grows in soil which is too heavy for the orange. The prospects for the banana do not appear bright, but attempts should be made to develop the markets in Eastern Europe.

Import duty on melons in Egypt. (Chapter VIII, Section (d).) The Egyptian Government has placed an import duty on Palestinian melons which is likely to restrict the trade. The Damascus Municipality has imposed an octroi duty on the same fruit.

Improvement of grades of tobacco. (Chapter VIII, Section (g).) Efforts should be made to foster the cultivation of a better grade of tobacco, experts in manipulation and in packing being employed to teach the cultivators. There is every prospect that high quality tobacco could be grown in Palestine. It is probably advisable that, at least for the present, the cultivation of tobacco

should be restricted to the northern part of the country, where the better qualities of leaf can be grown.

Amendment of minimum area of tobacco. (Chapter VIII.) There is no good reason for the present rule, which prevents the cultivation of tobacco on an area of less than two dunams. It would be sufficient if the area were restricted to a minimum of half a dunam. The interest of the cultivators should be considered, as well as that of the manufacturer, in framing legislation governing the cultivation of tobacco.

Improvement of quality of olive oil and pruning of trees, (Chapter VIII, Section (h).) Steps should be taken to teach the cultivator the method of producing olive oil of better quality than that now manufactured by the small grower. It would also be an advantage that instructors in pruning olive trees should be employed to tour the country and to teach the peasants the correct method of pruning their trees.

Steps to revive the barley export trade. (Chapter VIII, Section (j).) The question of the export trade in barley deserves consideration. That trade, which was of a certain importance before the war, has not revived since the Armistice. The reason for its failure to revive should be examined, and the purchase of a cleaning plant again be considered.

Encouragement of sericulture and production of honey. (Chapter VIII, Section (k).) If serious efforts are contemplated to this end it is necessary to make a more adequate provision in the budget on their account than is done at present.

Possibility of a canning industry for dairy produce. (Chapter VIII, Section (l).) The market for dairy products is circumscribed and it will soon be impossible locally to dispose of the dairy products of the country. Prices are already falling. It is necessary that an attempt should be made to cultivate the foreign market for dairy produce. The possibility of a canning industry for dairy products, and of the manufacture of cheese for export should be examined.

Palestinian industry. (Chapter IX.) The larger manufacturing industries are dependent on the protection afforded by the import tariff. It is questionable whether in certain cases the protective tariff is justified by the results. In the case of the cement industry, the tariff appears to have been raised unnecessarily.

Reduction of excise on wines. (Chapters VII, Section (/), and IX.) The wine industry is very heavily taxed in licence fees and Excise duty, which are passed on to the grape growers. These already pay the ordinary agricultural taxes, tithe and werko. In view of the present agricultural depression it would be advantageous, if possible, to reduce these taxes.

The smaller manufacturing industries are succeeding in many cases. This type of industry seems specially suited to the country.

Position of industries. (Chapter IX.) There is not any reason to believe that Palestine offers special attractions to large industrial concerns. The industries likely to succeed are those that are based on local products or, being based on imported products, show special vitality. It would be a speculation dangerous to the economic future of the country, if an attempt were made to start a textile industry in Palestine on a large scale.

Encouragement of Arab industries. (Chapter IX.) Indigenous Arab industries exist and should be encouraged.

Preparation of Labour Immigration Schedules. (Chapter X.) It is recommended that in the future the Labour Immigration Schedules should be prepared by the representatives of the Jewish Agency and of the Immigration Department in consultation, with the help of nonofficial persons acquainted with the economic position of Palestine, as, for instance, leading bankers.

Immigration officer at towns abroad. (Chapter X.) It is suggested that a representative of the Immigration Department should be stationed at each of the towns whence immigration to Palestine is most common.

Expulsion of illicit immigrants. (Chapter X.) Proposals are made, that in the case of illicit entry into Palestine, the entrant should invariably be returned to the

country whence he came, and that in the case of " pseudotravellers " unless there are reasons to the contrary, the same procedure should follow detection.

Registration of Unemployment and Labour Exchanges. (Chapter X.)The whole question of Arab unemployment should form the subject of study and steps should be taken to create a machinery for the registration of Arab unemployment. Government Employment Exchanges should be created, without which determination of the number of Arab unemployed is not possible.

If there are Arab workmen unemployed it is not right that Jewish workmen from foreign countries should be imported to fill existing vacant posts.

*Constitution of a separate Department of Immigration, Travel and Labour.*The Immigration Office, which is now a section of the Police Department, should be constituted a separate Department.

Part of expenditure of Development Commission recoverable. Both the expenditure necessary for the purchase of land in connection with a Development Commission, and the expenditure of the Commission itself are largely in the nature of outlay which will in time be repaid. This outlay is in fact reproductive expenditure. Of the advances for development, 85 per cent, to 90 per cent, should prove recoverable.

*Intensive development of rural Palestine essential.*In closing this Report I desire to record my opinion that the observance of the Articles of the Mandate, and specially of Article 6 of the Mandate, presents extraordinary difficulty. The sole way in which the Mandate can be carried out is by the intensive development of rural Palestine. It will not be sufficient to develop a small portion. The unique condition of success is the development of the whole, which, as has been said before, is a task requiring not only years of work, but also material expenditure. There exists no easy method of carrying out the provisions of the Mandate. Development is the only way. Without development, there is not room for a single additional settler, if the standard of life of the fellahin is to remain at its present level. With development that standard could be raised so that it would permit reasonable conditions of livelihood to that backward class of the community and a margin of land could at the same time be provided for additional colonisation.

The introduction of settlers possible if development carried out. It is my personal belief, founded on the enquiries which I have made and on my inspections, that with thorough development of the country there will be room, not only for all the present agricultural population on a higher standard of life than it at present enjoys, but for not less than 20,000 families of settlers from outside.

*Necessity of joint endeavour.*Any scheme for development presents serious difficulties. Unless such a scheme is accepted by both Jew and Arab it may very well fail. Of both it will require the support if it is to have the desired result, namely, the advancement of a neglected but historic country in the path of modern efficiency, by the joint endeavour of the two great sections of its population, with the assistance of the Mandatory Power.

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