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Contributors

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MINISTRY OF THE INTERIOR, EGYPT

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Department of Public Health

Ophthalmic Section

Twentieth Annual Report
of the Ophthalmic Section,
for 1932



Government Press, Cairo, 1934

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Ministry of Finance. Correspondence relating to these Publi-
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Report of the Ophthalmic Section, 1932

Foreword

NEW UNITS

During this year three Ophthalmic Branches were opened in the General Hospitals at Rosetta, Faqus and Gerga ; thereby the number of Ophthalmic Units reached 52 (of which 38 are permanent and 14 travelling). This number shows an increase of 3 Ophthalmic Units over that of 1931 and 30 Ophthalmic Units over that of 1921. They are shown in detail in table No. 22 page 31.

In addition the enlargement of Beni Suef Ophthalmic Hospital inpatients' section has been completed and utilized for the accommodation of more inpatients.

OPHTHALMIC UNITS DECIDED IN THE BUDGET OF 1933-1934

1. *An Ophthalmic Hospital at Samalout at the expense of Minya Provincial Council.*

The Provincial Council paid the sum of L.E. 5,447 to the Department of Public Health, being the cost of building and equipping this hospital which will contain an accommodation for 21 inpatients. The State Buildings Department completed the necessary arrangements for starting the building very soon.

2. *Three Ophthalmic Branches at General Hospitals.*

3. *A travelling ophthalmic hospital containing an accommodation for 20 inpatients.*

PROJECTS UNDER CONSIDERATION

Enlarging the inpatients' section at Demerdache General Hospital (Abbasiya).

CLINICAL WORK

The following table shows the clinical work done in 1932 as compared with that of 1931 :

	1931	1932	Increase in 1932
			Per cent.
New Patients	634,088	714,551	13
In-patients	22,188	23,128	4
Operations	220,823	242,365	10
Out-patients attendances	5,023,175	5,711,654	14

BLINDNESS

The number of patients who were found blind in one or both eyes excluding cataract cases causing blindness was 48,165 or 6.5 per cent of all patients examined at the Ophthalmic Hospitals. By adding the cataract cases causing blindness, the percentage becomes 6.9 per cent.

The pathological causes of blindness are detailed in table No. 12 where it is shown that acute ophthalmias form 80 per cent of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias—its percentage to total of microbes being 47 per cent.

AGE OF PATIENTS

Out of 714,551 new patients treated, 42,055 or 5.88 per cent were under the age of one year, 242,742 or 33.83 per cent from one to fifteen years of age and 424,465 or 59.40 per cent from one to thirty years of age. This fact shows that the mass of people recognises the importance of seeking ophthalmic treatment for infants, children and youths.

SCHOOL CLINICS

Ophthalmic examination, inspection and treatment are, at present, carried out at 32 Primary Government Schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

10,618 pupils were examined, of whom 97 per cent were found to be suffering from trachoma in its various stages. About 39 per cent of these were in the serious stages of the disease (trachoma I & II). As a result of ophthalmic treatment, the latter percentage fell to 20 per cent. The higher percentage is due to examining the conjunctiva of pupils by the Magnifier (Zeiss Type). By this means the examining surgeon could see very fine trachoma follicles which could not easily be seen by the naked eye.

In this connection, it may be noticed that through the Government Schools, an accurate percentage, showing to what extent the trachoma is prevalent among school pupils, can be obtained. This is due to the fact that the examination and treatment are carried out in a special regular and permanent way on pupils who are always under observation of treating doctors.

Pupils of other 30 Primary Schools and Kuttabs belonging to the Provincial Councils in Markazes (Districts), where permanent or travelling ophthalmic hospitals exist, received ophthalmic treatment at hospitals.

FINANCE

The annual cost of maintenance during the year 1932 including the cost of administration and expense of ophthalmic clinics in Primary Schools, amounted to L.E. 82,931 as shown in the detailed tables appended to this report which are significant of proper economical management. The expense per day for the outpatient was 11.38 mills. The inpatient costs in addition about 24 mills. daily for food. The sources of provision of all Ophthalmic Units are shown in table 22.

ACCOMMODATION

The number of beds reached 1210, *i.e.*, there is an increase of 48 beds over last year ; (of these 48 beds, 34 are of the new units and 14 have been added to the old ones at Alexandria General Hospital (Ophthalmic Branch). See Table No. 20.

POST-GRADUATE COURSE OF OPHTHALMOLOGY

During April 1932 the number of Medical Officers who underwent post-graduate teaching in Ophthalmology was 22, of these 5 were inspected in the preliminary clinical course and 2 of them passed ; 9 were inspected in the final clinical and 6 of them passed.

During October their number was 21 of whom 8 were inspected in the preliminary clinical course and they all failed ; 3 were inspected in the final clinical and they all passed. Those who failed for the first time were given another chance but those who failed for the second time were transferred to other branches of the Department.

PROVIDING THE OPHTHALMIC HOSPITALS WITH UP-TO-DATE APPLIANCES

A Slit Lamp and Corneal Microscope has been supplied to the Ophthalmic Units at Mansourah, Beni-Suef, Zagazig, Shebin el Kôm, Benha, Qena and Demerdache (Abbasiya).

THE OPHTHALMOLOGICAL SOCIETY OF EGYPT

The annual meeting of this society has been held on Friday, March 10, 1933, at Giza Ophthalmic Laboratory. 62 members attended and most of these were of the Medical

Officers of the Ophthalmic Hospitals. The following are the titles of the most important communications delivered in the meeting :—

1. Dieffenbach Bûdinger operation for a case of melanotic tumour of lids.
2. An operation of advancement with shortening of muscle and no resection.
3. Cataract extraction with flap bridge.
4. Intracapsular extraction with Electro-coagulation with a newly devised electrode.
5. A discussion of the modern operative treatment for detachment of retina.
6. Recent Studies on Trachoma.
7. Clinical considerations on acute trachoma and follicular conjunctivitis.
8. The diagnostic value of Tricoire reaction in Trachoma.
9. Histopathological and Biomicroscopical difference in vascularisation in spring catarrh and Trachoma.
10. A rare case of keratitis with conjunctivitis due to a fungus (a kind of verticillium).
11. Blue Scleritosis.
12. Episcleritis and early tubercular iridocyclitis with a comment on the value of tuberculin treatment etc.
13. A case of severe bilateral papilloedema due to a tumour in the parietal region of brain with recovery of vision after operation.
14. A case of retinal oedema after quincy.
15. Pituitary tumour, a record of few cases with pathological finding in one.
16. Ophthalmoplegia.
17. A case of juvenile chronic glaucoma.
18. Latent infection of the lachrymal duct.
19. Neurefibromatosis.
20. Analysis of cases of Proptosis.
21. Corps Etranger (Morceau de crayon implanté dans l'orbite depuis 6 mois).
22. Quelques complications oculaires de la variole.
23. The ocular complications of Measles.
24. The ocular complications of Epidemic Cerebro-Spinal Meningitis.
25. Anesthésie oculaire à la Panthesin.
26. Milk injections.
27. Ocular anaesthesia by Pantocaine.
28. Tréatment of Trachoma with :
 - (a) Hydnocreal oil and copper sulphate alternately.
 - (b) Chaulmoogra oil and copper sulphate combined.
29. Thermophore and its application in trachomatous affections of cornea and lids.
30. A case of chronic phlyctenular conjunctivitis.
31. Anomaly of central retinal vessels.
32. Cases exhibited from Kasr-el-Aini Hospital.
33. A case of tattooing of cornea with platinum chloride done early in 1930.
34. A comment on the symptomatic treatment of spring catarrh by injections of splenic extract.

INTERESTING CASES IN 1932

A monthly list of interesting cases seen at the various units of the section is drawn up. About 580 cases have been recorded as interesting during 1932. The following list shows some such cases that are not frequently seen in every day's work in Egypt:—

1. Leprosy of both corneas.
2. Sarcoma of L. Choroid.
3. Thrombosis of R. Central vein with 2ry Glaucoma.

4. Abscess of R. Cornea.
5. Tubercular Iritis.
6. Congenital dislocated lenses up and in with myopic fundi.
7. Bilateral rudimentary globes and secondary cystic formation.
8. Hemeralopia with hepatic cirrhosis.
9. Granuloma of the conjunctiva undergoing hyaline degeneration.
10. R. and L. Partial coloboma of the discs.
11. Cellulitis of orbit.
12. Ophthalmia neonatorum, gonococcal.
13. Double optic neuritis (septic tonsils).
14. R. Congenital A.P.C. in a mother and her baby child.
15. Retinitis and Post neuritic optic atrophy after puerperal fever.
16. Choked discs (cause basal meningitis through otitis media).
17. Hyaline degeneration of cornea.
18. Syphilitic periostitis of the roof of L. orbit with orbital cellulitis.
19. Bilateral macular degeneration (pyuria).
20. Embolism of central artery (mitral disease).
21. Blood staining of cornea and traumatic rupture of sclera.
22. Monocular myopia.
23. Partial coloboma of optic disc.
24. Fuch's coloboma in a myope and R. congenital pigment on O.D.
25. Retro Bulbar Neuritis (? cause).
26. Cyst of the Caruncle.
27. Post neuritic optic atrophy due to brain tumour.
28. Chronic cyclitis (mediastinal glands positive).
29. Spontaneous dislocation of lens in vitreous.
30. Hysterical amaurosis in the right eye after trauma.
31. Orbital abscess and cellulitis of orbit due to Carbuncle of nose.
32. Cellulitis of orbit after measles.
33. Central myopic atrophy with Fuch's spot.
34. Congenital ptosis, bilateral.
35. Hole of the macula due to injury.
36. Melanotic sarcoma of conjunctiva.
37. Streptothrix of conjunctiva.
38. Glioma retinae.
39. Syphilitic neuro retinitis with haemorrhage around macula.
40. Round cell sarcoma of orbit with metastasis in lung.
41. L. Arterio-sclerotic fundus.
42. Superficial punctate keratitis with an attack of iritis ? Rheumatic.
43. R. Subhyaloid haemorrhage due to septic focus.
44. Choroditis (through uterine sepsis).
45. Bullous Keratitis.
46. Nodules in iris (diagnosed microscopically as inflammation).
47. Subconjunctival dislocation of lens through traumatic rupture of the sclera.
48. Traumatic ptosis, mydriasis, and subluxation of lens.
49. Pseudoglioma.
50. Herpes febriles with dendritic ulcer.
51. Tabetic optic atrophy.
52. Basal cell carcinoma of lid.

53. Traumatic cataract with a stalk of a plant.
54. Congenital coloboma of iris and choroid.
55. Neuro-retinitis. Albuminuric retinal arterio-sclerosis.
56. R. Oedema of macula.
57. Post neuritic optic atrophy (general condition, cerebro-spinal syphilis).
58. Chorio-retinitis (syphilitic) with consecutive optic atrophy.
59. R. L. Corectopia.
60. L. Central punctate hyaline degeneration of cornea (trachomatous).
61. Consecutive optic atrophy and disseminated choroidal atrophy syphilitic.
62. Albuminuric retinitis.
63. R. and L. Choroidal atrophy at macula.
64. Haemorrhagic retinitis in a case of pellagra and Anaemia.
65. Transient partial paralysis of 3rd nerve after fever.
66. Hyaline degeneration of conjunctiva.
67. Pigmented nevus of limbus.
68. L. Facial Paralysis (syphilitic).
69. R. Microphthalmos, partial coloboma of iris, persistent pupillary membrane.
70. L. apparent anophthalmos.
71. Atrophy of the choroid (syphilitic).
72. Myopic macular pigmentation.
73. Pyramidal cataract.
74. Fibroangioma of lid.
75. Total Ophthalmoplegia, II, III, IV, nerves affection and VIII nerve partially affected — (syphilitic lesion at base of the brain).
76. Hyperplasia of the corneal epithelium (precancerous state).
77. Dermoid tumour of limbus.
78. Lipoma of orbit.
79. R. and L. Spontaneous subluxation of lens in myopic globe.
80. Acute iritis (syphilitic).
81. Albuminuric and Diabetic retinitis.
82. Episcleritis (septic focus).
83. Perivasculitis (syphilitic) of sup. temporal artery.
84. Optic neuritis (chronic sinus infection).
85. Extensive chorio retinitis with consecutive optic atrophy (?syphilitic history).
86. Diffuse chorio retinitis (? syphilitic history).
87. Retention cyst of lid.
88. Third nerve paralysis (syphilitic).
89. 6th nerve paralysis (syphilitic).
90. Post-neuritic optic atrophy, post-febrile with increased intra cranial pressure.
91. Lipodermoid tumour of conjunctiva.
92. Hyperplasia of epithelium of limbus.
93. Lamellar cataract.
94. Lymphangioma of conjunctiva.
95. Lygophthalmos from facial paralysis (syphilitic).
96. Microphthalmia.
97. Chondroma of the limbus.
98. Ophthalmia neonatorum.
99. Fly blown orbit.
100. Interstitial keratitis, (specific).

101. R. Proptosis due to frontal mucocele.
102. Cilio retinal artery.
103. Hysterical monocular diplopia.
104. Desseminated choroiditis ; cause apical abscess of teeth.
105. Fibroma of conjunctiva.
106. Irido-cyclitis, after cerebro-spinal fever.
107. Paralysis of III, IV, V, and VI Nerves.
108. Primary optic atrophy due to a cerebellar tumour.
109. High myopia, more than 20 D., & choroidal atrophy around O.D. and around macula.
110. Bulbar and Palpebral spring catarrh.
111. Diphtheritic conjunctivitis.
112. Angioma of the caruncle.
113. Syphilitic choroiditis & consecutive optic atrophy.
114. Optic atrophy (? descending primary) after cereb. spinal meningitis.
115. A typical limbic spring catarrh.
116. Spontaneous dislocation of A.P.C. in A.C.
117. Sublimate idiosyncrasy causing erysipelas like oedema of face after operation.
118. R. folliculus iridis L. Peculiar hammer-like persistent pupillary membrane.
119. R. Concussion cataract & subluxation of lens and delayed intra-ocular heomerrage.
120. Disseminated choroiditis & consecutive optic atrophy.
121. R. and L. Subluxation of lens upwards (congenital).
122. Synchysis scintillans.
123. Granuloma of the limbus.
124. Choroiditis Juxta Papillaris.
125. R. neuro-retinitic atrophy L. neuroretinitis (? due to septic teeth).
126. Streptothrix of the conjunctiva.
127. Epibulbar Epithelioma.
128. Congenital coloboma of iris.
129. Lipoma of lid.
130. Fibro-lipoma of the conjunctiva.
131. R. Buphthalmos.
132. Pigmented naevus of conjunctiva.
133. Congenital coloboma of choroid.
134. Glioma retinae.
135. Subconjunctival retention cyst.
136. Myopic chorio-retinal atrophy.
137. Membranous conjunctivitis negative for diphtheria.
138. Papilloma of conjunctiva.
139. Fibroma of conjunctiva undergoing myxomatous degeneration.
140. Total detachment of retina, traumatic (eye probably myopic).
141. R. Optic neuritis (syphilitic).
142. Syphilitic retinitis.
143. Syphilitic irido-cyclitis.
144. Fibroma of limbus.
145. Primary optic atrophy & Argyll Robertson pupil (tabes).
146. Retinitis pigmentosa with consecutive optic atrophy.
147. L. Central choroiditis (auto intoxication).
148. Opaque nerve fibres.
149. Rodent ulcer of L. Lower lid and cheek.

150. Partial coloboma of the O.D.
151. L. cyclitis, (L. antrum opaque).
152. Retinitis punctata albescens in two syphilitic brothers.
153. Congenital coloboma of choroid and iris.
154. Simple Granuloma of lid.
155. L. Traumatic chorio retinal atrophy of macular region.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1932.

1.—IN-PATIENTS : TOTAL NUMBER	23,128
(Number of available beds 1210 ¹)	
Number of diets issued	398,948
2. — OPERATIONS :—	
I. Major :—	
(a) Senile cataract	1,518
(b) Soft cataract	362
(c) Trichiasis or entropion	73,907
(d) Other operations	20,270
TOTAL	96,057
II. Minor (including mechanical treatment of trachoma)	146,308
GRAND TOTAL, major and minor operations	242,365
3.—OUT-PATIENTS :—	
I.—Incurable (1)	2,422
II.—Postponed	21,017
III.—Tickets issued, i.e. new cases	714,551
IV.—Old cases	4,973,664
V.—Visits made by patients to hospital for treatment (equal I+II+III+IV)	5,711,654
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued. The factor of incurable cases is neglected	7.96
VII.—Discharges :—	
(a) Cured	188,207
(b) Relieved	59,428
(c) Incurable(2)	1,426
(d) Spontaneously ceased to attend after having attended only once	106,162
(e) " " " " " more than once	194,364
VIII.—Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed	62,320
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan)	6,362
IX.—Spectacles ordered	2,046
X.—Constant wash cases (number of days of treatment)	1,129,149
XI.—Ages of patients examined :—	
Under one year	42,055
From 1 to 5 years	99,975
" 6 " 10 "	76,088
" 11 " 15 "	66,679
" 16 " 20 "	61,523
" 21 " 25 "	59,716
" 26 " 30 "	60,484
" 31 " 35 "	54,939
" 36 " 40 "	46,793
" 41 " 45 "	43,268
" 46 " 50 "	32,374
" 51 " 55 "	21,280
" 56 " 60 "	19,631
" 61 " 65 "	12,794
" 66 " 70 "	10,476
Over 70 years	6,476
TOTAL	714,551

N.B. (1) Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

(2) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1932 (*continued*).

3.—OUT-PATIENTS (*contd.*):—

XII.—Origin of patients:—

Patients from:—

(a) Town in which hospital is situated	299,829
(b) Markaz in which hospital is situated	253,647
(c) Other Markazes of same Mudiriya	96,141
(d) Other Mudiriyas or Governorates	64,934
TOTAL	714,551

TABLE II.—LIST OF DISEASES.

Ametropia:—

Hypermetropia	1,052
Myopia	2,007
Astigmatism	1,632
Presbyopia	533

Conjunctiva:—

Conjunctivitis, gonococcal	30,018
" Morax-Axenfeld	4,028
" Koch-Weeks	14,673
" pneumococcal	1,916
" diphtheritic	30
" membranous	423
Other organisms or negative and unclassified	15,604
Trachoma I	58,575
" IIa	63,340
" IIb'	8,346
" IIb"	678
" IIc	14,520
" III including post-trachomatous degeneration	461,322
" IV	33,484
Phlyctenule	21,253
Pterygium	7,494
Pinguecula	1,228
Xerosis	1,696
Symblepharon	392
Dermoid	29

Other conditions:—

Argyrosis	1,130
Colloid and hyaline degeneration	102
Hypertrophied caruncle	352
Injuries (foreign bodies, burn, etc.)	534
Cyst	268
Fibroma	7
Malanctic Sarcoma	1
Other Simple tumours	4

Eyelids:—

Pediculus ciliaris	1,814
Trichiasis and entropion	70,461
Distichiasis	163

TABLE II.—LIST OF DISEASES (*continued*).

Eyelids (contd.) :—

Ectropion	1,479
Lagophthalmos	1,433
Blepharitis	50,226
Hordeolum	2,542
Wart	587
Chalazion	2,566
Eczema	851
Rodent ulcer	29
Dermoid	68
Ptosis	431
Erysipelas	7
Herpes	106
Chancre	—
Epithelioma	5
Other tumours	27
Leucodermia	57
Injuries and abscesses	991

Lacrimal Apparatus :—

Lacrimal fistula	289
Stenosis of the duct	782
Dacryocystitis, acute	229
" chronic	5,896
Cyst of lacrimal gland	77

Cornea :—

Ulceration, simple	35,506
" hypopyon	1,503
" perforation	8,849
" special forms	519
Pannus	61,653
Keratitis, interstitial	10
" trachomatous	2,992
Nebula or leucoma	230,617
Adherent leucoma	30,445
Totally opaque cornea	16,112
Staphyloma	5,527
Xerosis of cornea	1,153
Abscess of cornea	67
Conical cornea (congenital)	81
Keratictasia	1,505
Injuries (burn, foreign bodies, etc.)	2,198

Limbus :—

Tumours	21
Dermoid	2
Epithelioma	12

Iris :—

Anterior synechia	4,611
Posterior "	2,820
Inflammation	1,310
Iris bombé	26
Irido-dialysis	98
Congenital coloboma	37
Aniridia	6
Persistent pupillary membrane	56
Iridodonesis	420
Various	73

TABLE II.—LIST OF DISEASES (*continued*).

Sclerotic :—

Ciliary staphyloma	1,724
Episcleritis	24
Injuries	97

Choroid :—

Coloboma	11
Rupture	15
Disseminated choroiditis	8
Choroido-retinitis	24
Atrophy of choroid	93
Tumours	2
Albinismus	21

Retina :—

Retinitis, albuminuric and diabetic	10
„ syphilitic	5
„ pigmentosa	54
Detachment of retina	89
Embolism and thrombosis of retinal vessels	5
Glioma	8
Other conditions	11
Night blindness (in which retinitis pigmentosa is absent)	113

Optic Nerve :—

Neuritis	30
Atrophy (<i>See Table III</i>)	171
Opaque nerve fibres	11
Other conditions	6

Lens :—

Cataract, senile	4,365
„ soft	323
„ traumatic	133
„ lamellar	23
„ anterior polar	2,042
„ posterior „	79
„ dislocated, traumatic	181
„ „ operative	36
„ „ congenital	4
Aphakia	1,427
Secondary cataract	279
Ectopia lentis	1

Vitreous :—

Opacities	186
Foreign bodies	11

Muscles :—

Strabismus, alternating	1,519
„ convergent	12,737
„ divergent	12,043
Heterophoria	48
Nystagmus	1,756
Paralysis	26

TABLE II.—LIST OF DISEASES (*continued*).

Glaucoma :—

Primary, acute	} Including absolute glaucoma caused by acute, sub-acute or chronic glaucoma.	36
„ sub-acute		202
„ chronic		6,276
Secondary		9,581

Globe :—

Shrunken globe	17,320
Buphthalmos	40
Exophthalmic goitre	3
Panophthalmitis	367
Microphthalmos... ..	24
Anophthalmos	3
Injury	175

Orbit :—

Tumours	21
Cellulitis	20
Tenonitis	1
Periostitis	7
Injuries	12
Cyst, frontal	3
„ ethmoidal	1
Contracted socket	110
Fly-blown	24

* Patients are considered blind who cannot count fingers at one metre.

TABLE III.—CAUSES OF OPTIC ATROPHY.

Optic Atrophy:—

A. (1) Primary :—

The spinal diseases causing the condition are :—

G.P.I.	3
Tabes	3
Disseminated sclerosis	1
Lateral sclerosis	—
Spastic paraplegia	—
Lebers hereditary optic atrophy	—
Congenital optic atrophy	—
Unknown	11

It may also be caused by :—

Arterio-sclerosis	7
--------------------------	---

- (2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type 3

(3) Retro-bulbar neuritis :—

The acute form causes atrophy of the optic nerve, primary in type, not infrequently.

The chronic form more rarely.

Acute retro-bulbar neuritis. The causes are :—

(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)... ..	4
(b) Acute fevers (including syphilis and rheumatism)	20
(c) Intoxications (alcohol, lead)	—
(d) Nervous diseases (disseminated sclerosis, acute myelitis)	—

Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium, etc. 3

B Post-neuritic :—

The causes of optic neuritis, all of which may be followed by post-neuritic atrophy, are as follows :—

(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)	14
(b) Acute fevers (including syphilis and rheumatism)	79
(c) Intoxications (kidney disease and diabetes, alcohol, felixmas)... ..	5
(d) Nervous diseases : Diss. sclerosis, G.P.I., epilepsy	2
(e) Anæmia	5
(f) Unknown	11

TOTAL (equal Optic Atrophy, Table II) ... 171

TABLE IV.—LIST OF OPERATIONS.

Eyelids:—

For trichiasis and entropion:—

Snellen's	59,974
Anagnostakis	1,060
Snellen-Anagnostakis	329
Canthoplasty	4,041
Grafting mucous membrane	7,936
Electrolysis (minor)	5,408
Excision of lash (minor)	1,221
Other operations	567

For ectropion:—

Plastic	91
MacCallan's	4
Kenneth Scott's	1
Kuhnt's	30
Other operations	205
For ptosis	37
For symblepharon	112
For hordeolum and chalazion (minor)	3,838
Cyst removed	148
Wart excised (minor)	255
Restitching wounds (minor)	140
Opening abscesses (minor)	1,178
Various	319
Antholomy (Minor)	3

Conjunctiva:—

For trachoma:—

Expression or mechanical treatment (minor)	73,422
Combined excision of Heistrath	330
Post-trachomatous degeneration (minor)	56,532
Other operations } (minor)	803
Other operations } (major)	344
Pterygium	4,260

Cornea:—

Foreign body removed (minor)	1,703
Saemisch's section	176
Cautery	283
Various	251
Cautery (Minor)	19

Iris:—

Iridectomy for adherent leucoma	5,345
" visual	601
" for glaucoma	981
" preliminary for cataract	206
Cystoid cicatrix	18
Division of anterior synechia	37
Various	96

Lacrimal Sac:—

Excision	3,392
Various (minor)	1,786

TABLE IV.—LIST OF OPERATIONS (*continued*).

Lens :—

For senile cataract :—

Extraction with iridectomy	1,279
" after previous iridectomy...	239
For membrane after extraction: Discission	744

For soft cataract :—

Extraction	5
Discission	46
Curette evacuation	294
Paracentesis	17

For membrane after evacuation :—

Discission	62
Capsulotomy	9

Globe :—

Trephining of cornea-sclera with iridectomy	1,107
Trephining	38
Excision	373
Evisceration	352
Paracentesis	192

Orbit :—

Exenteration	7
For tumour	25
" dermoid	17
" cellulitis	16
" cyst, frontal	—
" " ethmoidal... ..	—
Tenotomy and advancement... ..	20
Other major operations	30

Trial with magnet :—

Positive	8
Negative	3

TOTAL 242,365

**TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED
AT ALL OPHTHALMIC HOSPITALS DURING 1932.**

HOSPITALS	NUMBER OF PATIENTS	HOSPITALS	NUMBER OF OPERATIONS
Rod el Farag	57,702	Rod el Farag	17,497
No. 1, T.O.H.	48,214	Asyût	11,836
Giza	41,195	Giza	11,666
Asyût	26,148	Tanta	10,614
Tanta	25,424	Demerdash	9,323
Demerdash	24,717	No. 1, T.O.H.	7,932
Bani Suef	19,241	Bani Suef	7,658
Faiyûm	18,261	No. 5, T.O.H.	7,060
Alexandria	18,180	Shibin el Kôm	6,022
Port Said	16,824	Alexandria	5,903
Shibin el Kôm	16,785	Sohâg	5,817
Fikriya	15,868	Faiyûm	5,631
Sohâg	15,756	Maghagha	5,598
Zagazig	15,596	No. 10, T.O.H.	5,334
Minya	15,563	Banha	5,290
Banha	14,457	No. 4, T.O.H.	5,012
No. 5, T.O.H.	14,073	Zagazig	5,011
Damanhûr	13,401	No. 6, T.O.H.	4,987
Matariya	13,339	Asyût, P.C., T.O.H.	4,927
Maghagha	13,265	Ashmûn	4,682
Mallawi	12,974	No. 7, T.O.H.	4,657
Mansûra	12,425	Mansûra	4,635
No. 9, T.O.H.	12,098	Port Said	4,463
Asyût, P.C., T.O.H.	11,365	No. 3, T.O.H.	3,876
Mahalla el Kubra	10,539	No. 9, T.O.H.	3,857
Minûf	10,515	Luxor	3,852
Suez	10,281	Mallawi	3,815
No. 4, T.O.H.	10,257	Minya	3,743
Gharbiya, P.C., T.O.H.	9,965	No. 8, T.O.H.	3,721
No. 6, T.O.H.	9,834	Matariya	3,530
No. 7, T.O.H.	9,802	El Fikriya	3,459
Damietta	9,667	Qena	3,390
No. 11, T.O.H.	9,573	Gharbiya P.C., T.O.H.	3,289
No. 8, T.O.H.	9,381	Kafr el Zaiyât	3,230
No. 10, T.O.H.	9,277	Minûf	3,115
Ashmûn	9,271	Esna	3,025
Mit Ghamr	9,180	No. 2, T.O.H.	2,964
Luxor	8,851	Mahalla el Kubra	2,942
Taieba	8,735	Damietta	2,920
Qena	8,723	Mit Ghamr	2,859
Santa	8,292	Daqahliya, P.C., T.O.H.	2,844
Asswân	8,242	No. 11, T.O.H.	2,829
Daqahliya, P.C., T.O.H.	7,935	Disûk	2,749
Disûk	7,874	Damanhour	2,659
No. 3, T.O.H.	7,796	Barrim	2,563
Berraim	6,324	Asswân	2,346
Kafr el Zaiyât	6,183	Santa	2,250
Esna	5,485	Suez	2,215
No. 2, T.O.H.	4,769	Taieba	1,564
Girga	1,989	Rasheed	414
Fackous	1,673	Girga	400
Rasheed	1,267	Fackous	390

Number of working months :—

	Months	Days
Rasheed (opened on November 16, 1932)	1	15
Fackous (" " " ")	1	15
Girga (" " " ")	1	15
No. 3, T.O.H.	10	27
Asyût P.C., T.O.H.	11	4
Gharbiya P.C., T.O.H.	11	13
" 2, T.O.H.	11	15
No. 4, T.O.H.	11	15
" 7, T.O.H.	11	16
" 8, T.O.H.	11	16
" 6, T.O.H.	11	17
" 9, T.O.H.	11	17
" 11, T.O.H.	11	17
Daqahliya P.C., T.O.H.	11	20
Other Ophthalmic Hospitals	12	—

TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL
OPHTHALMIC HOSPITALS DURING 1932.

MAJOR OPERATIONS.		MINOR OPERATIONS.	
HOSPITALS.	No.	HOSPITALS.	No.
Rod el Farag	602	Rod el Farag	856
Tanta	393	Asyût	607
Asyût	379	Giza	593
Giza	379	Tanta	492
Demerdash	334	Demerdash	443
No. 5, T.O.H.	283	Bani Suef	431
No. 1, T.O.H.	245	No. 1, T.O.H.	416
Sohâg	243	Maghagha	333
Faiyûm... ..	220	No. 4, T.O.H.	324
Bani Suef	207	No. 5, T.O.H.	306
Shibîn el Kôm	202	Alexandria	306
Zagazig	197	Shibîn el Kôm	300
Alexandria	183	No. 6, T.O.H.	299
No. 7, T.O.H.	166	Asyût P.C., T.O.H.	296
Banba	164	No. 10, T.O.H.	283
No. 10, T.O.H.	161	Ashmûn	280
Fikriya	152	Banba	277
Asyût P.C., T.O.H.	152	Port Said	266
No. 9, T.O.H.	149	Faiyûm... ..	250
No. 11, T.O.H.	146	Sohâg	242
Mallawi... ..	136	No. 7, T.O.H.	239
No. 6, T.O.H.	134	No. 3, T.O.H.	228
Maghagha	134	Zagazig... ..	220
Esna	130	No. 8, T.O.H.	201
No. 3, T.O.H.	125	Luxor	201
Qena	123	Minya	199
Fackous... ..	123	Mansûra	188
No. 8, T.O.H.	122	No. 9, T.O.H.	186
Luxor	120	Matariya	185
Girga	118	Rasheed	183
Mansûra	115	Mallawi... ..	182
Mit Ghamr	114	Gharbiya P.C., T.O.H.	177
Kafr el Zaiyât	114	Damietta	166
Minya	113	Minûf	166
No. 4, T.O.H.	111	Qena	160
Ashmûn	110	No. 2, T.O.H.	155
Gharbiya P.C., T.O.H.	109	Kafr el Zaiyât	155
Matariya	109	Daqahliya P.C., T.O.H.	152
Port Said	106	Mahalla el Kubra	151
No. 2, T.O.H.	103	Girga	149
Damanhûr	103	Barrim	143
Mahalla el Kubra	94	Disûk	142
Minûf	94	Suez	140
Rasheed	93	Fikriya	137
Daqahliya, P.C., T.O.H.	91	Fackous... ..	137
Disûk	87	Asswân	130
Damietta	78	Mit Ghamr	124
Santa	75	Esna	122
Barrim	71	Damanhûr	118
Asswân	65	Santa	112
Taieba	60	No. 11, T.O.H.	100
Suez	45	Taieba	70

TABLE X.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Gemeiza), one place in Cairo (Giza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place on each month. This is shown in the following table, the reading being in degrees Centigrade.

MONTH	GEMMIZA	GIZA	ASYÛT	AVERAGE
January	10·8	11·3	11·4	11·2
February	11·8	12·4	13·4	12·5
March	14·4	15·8	17·2	15·8
April	17·2	18·5	21·6	19·1
May	20·6	22·2	25·1	22·6
June	24·9	26·2	29·0	26·7
July	26·9	27·8	30·3	28·3
August	26·4	27·0	28·8	27·4
September	24·5	24·9	27·0	25·5
October	23·0	23·8	25·1	24·0
November	17·8	18·0	18·8	18·2
December	12·7	12·6	12·8	12·7

TABLE XI.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS SINCE 1929.

	1929	1930	1931	1932
<i>Hospitals in existence :—</i>				
Travelling	14	14	14	14
Permanent	31	32	35	38
New patients treated	461,481	526,406	634,088	714,551
Total attendances of out-patients	4,242,241	4,350,062	5,023,175	5,711,654
Operations performed	195,943	209,662	220,823	242,365
In-patients	16,890	20,136	22,188	23,128
<i>Details :—</i>				
Patients examined	479,932	539,318	852,338	737,990
Patients regularly treated	461,481	526,406	634,088	714,551
Incurable cases	5,715	5,124	5,340	3,848
Blind in one eye	31,993	36,021	38,433	40,215
„ both eyes	8,697	9,513	9,489	10,740
Trichiasis cases examined	65,756	64,534	68,936	68,682
„ eyes operated on and cured	68,105	73,290	73,285	73,907

TABLE XII.—CAUSES OF BLINDNESS

A.—Congenital	3
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity	16,112
(b) Shrunken globe	17,320
(c) Secondary glaucoma	8,232
(d) Other conditions	1,610
II.—Fundus :—	
(a) Optic atrophy	150
(b) Optic neuritis... ..	19
(c) Retinitis pigmentosa	41
(d) Detachment of retina	63
(e) Other diseases of fundus	205
III.—Glaucoma, primary :—	
(a) Monocular (including absolute 2315)	3,007
(b) Binocular („ „ 1575)	2,290
IV.—Injury	349
V.—Operation	40
VI.—Infectious diseases	27
VII.—Iritis endogenous	466
VIII.—Various	1,181
Total excluding cataract cases	51,116
Cataract Cases	2,790
TOTAL	53,905

TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES SINCE 1929.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Ophthalmic Hospitals :—</i>				
Tanta	5.93	5.79	4.56	4.33
Asyût	9.66	7.71	7.72	9.82
Mansûra	10.52	11.45	11.16	8.30
Bani Suef	12.21	11.74	11.42	12.10
Zagazig	9.47	9.27	7.60	7.72
Damanhûr	7.49	6.86	6.72	6.89
Shibin el Kôm	4.99	4.40	6.01	4.95
Sohâg	16.27	15.86	13.63	13.83
Minya	17.90	17.23	13.57	12.92
Faiyûm	10.39	10.09	9.90	9.60
Banha	5.51	9.19	7.63	6.30
Alexandria	5.07	4.52	4.85	5.04
Port Said	4.23	3.43	4.63	3.53
Qena... ..	15.93	14.96	7.18	5.97
Damietta	4.65	3.75	3.42	4.11
Giza	6.66	6.73	5.52	5.45
Suez	4.23	4.72	4.97	4.23
Barrim... ..	7.58	5.61	8.33	7.61
Mallawi	3.17	3.53	3.19	2.55
Mit Ghamr... ..	6.33	5.38	8.38	7.36
Magbagha	8.40	7.84	7.92	7.44
Fikriya	9.29	6.27	5.02	4.11
Asswân	9.99	7.07	6.41	8.69
Rod el Farag	8.20	8.14	4.97	4.85
Taieba	5.45	5.40	3.94	4.67
Esna	11.56	14.63	10.14	9.72
Disûk	—	12.69	10.51	10.19
Demerdash... ..	—	—	3.86	3.84
Matariya	—	—	4.50	3.99
Luxor... ..	—	—	3.46	11.26
Rasheed	—	—	—	7.33
Fakous	—	—	—	6.83
Girga	—	—	—	8.70
Mahalla el Kubra	7.42	7.13	6.56	5.68
Kafr el Zaiyât	5.45	5.08	5.17	5.21
Santa	4.27	4.54	3.93	3.90
Minûf	7.35	6.97	4.48	4.24
Ashmûn	6.94	8.11	7.87	7.29
<i>Travelling Ophthalmic Hospitals :—</i>				
No. 1, Travelling :—				
Abbassia	10.66	10.57	—	—
Kalaa	—	10.72	10.50	10.30
No. 2, Travelling :—				
Itay el Barûd	8.00	—	—	—
Abu Hommos	14.26	—	—	—
Kafr el Dawâr	—	6.54	—	—
Delingat	—	—	11.26	—
Abul Matamir	—	—	16.80	15.39
Mahmoudia	—	—	—	8.26
No. 3, Travelling :—				
Idfû	14.18	13.22	11.63	8.21
Kom Ombo... ..	11.77	14.02	7.44	6.04
Daraw	—	—	—	5.89

TABLE XIII (contd).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	
No. 4. Travelling:—				
Minya el Kamh	10.20	—	—	—
Hibia	9.14	—	—	—
Abu Kebir	14.90	10.40	—	—
Fakous	—	10.08	8.03	—
Ismailia	—	—	8.27	7.67
Bilbeis	—	—	—	9.49
No. 5. Travelling:—				
Girga	7.88	10.81	—	—
Tahta	—	12.05	13.82	—
Baliana... ..	—	—	11.19	9.98
Akhmim	10.00	—	—	—
No. 6. Travelling:—				
Quesna	—	9.88	7.29	—
Tala	8.94	—	9.05	7.39
Berket el Sab	—	7.89	—	—
El Shouhada	—	—	—	4.06
No. 7. Travelling:—				
Biba	—	6.49	7.42	—
Sinnouris	13.73	—	6.12	8.69
El Wasta	6.13	—	—	9.71
Abu Ksah	6.82	7.96	—	—
No. 8. Travelling:—				
Samallut	—	8.99	8.84	8.37
El Fashn	10.86	—	—	—
Matay	10.31	10.17	—	—
Bani Mazar	—	—	8.63	7.37
No. 9. Travelling:—				
Embaba	9.22	—	—	—
Ayat	5.28	6.50	7.49	—
El Saff	—	6.57	5.35	—
El Hawamdiya	—	—	2.93	6.38
Oseem	—	—	—	1.94
No. 10. Travelling:—				
Nag' Hammadi... ..	10.84	—	11.03	6.94
Kous	16.30	—	—	—
Dishna	11.71	16.11	—	—
Luxor	—	13.60	17.65	—
No. 11. Travelling:—				
Shebin el Qanater	9.01	—	—	4.42
Toukh	8.48	7.50	4.22	—
El Kanater el Khairiya	—	—	5.10	6.44
Asyût Provincial Council:—				
Manfalût	11.16	10.17	6.44	5.68
Dairût	—	9.50	—	1.33
Abnûb	10.80	—	9.88	—
Abu Tig	13.04	—	9.07	—
Badâri	—	11.66	—	7.71
Deir Moas	—	10.07	9.40	—

TABLE XIII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
Daqahliya Provincial Council:—				
Aga	—	6.82	6.79	4.38
Simbillāwein	8.40	—	7.17	4.90
Manzala	7.70	—	—	—
Diarb Nigm	7.75	7.63	—	—
Dikirnis	—	—	7.42	—
Gharbiya Provincial Council:—				
Zifta	—	—	—	9.37
Shirbîn	—	—	—	6.25
Fowa	6.10	—	—	—
Basioun	6.25	5.90	—	—
Belkas	—	5.77	—	—
Kallîn	—	5.81	6.09	—
Kafr el Sheikh	—	—	5.74	6.08

N.B.—It is noticed in this table that the percentage of blindness varies in one hospital in different years. This is most probably due to several reasons, the important of which are: that the same blind patient might have visited the same hospital several times, that the patient might have visited several hospitals, that the surgeons of the same hospital are changed and also due to the amount of care exercised in booking these cases.

TABLE XIV.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE INCLUDING CATARACT CASES.		BOTH EYES INCLUDING CATARACT CASES.		ONE EYE EXCLUDING CATARACT CASES.		BOTH EYES EXCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES EXCLUDING CATARACT CASES.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1909	22,373	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—
1910	25,506	2,483	9.5	2,010	7.8	4,448	17.4	—	—	—	—
1911	31,274	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—
1912	43,668	4,115	9.4	2,824	6.4	6,939	15.2	—	—	—	—
1913	62,233	5,360	8.6	3,878	6.2	9,238	14.8	—	—	—	—
1914	75,398	6,425	8.5	3,591	4.7	10,016	13.2	—	—	—	—
1915	71,930	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—
1916	94,447	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—
1917	100,410	9,385	9.3	4,611	4.6	13,996	13.9	—	—	—	—
1918	90,668	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—
1919	83,577	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—
1920	108,113	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—
1921	127,223	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—
1922	147,492	12,524	8.5	4,850	3.3	17,374	11.8	—	—	—	—
1923	174,004	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—
1924	206,342	16,535	8.0	5,716	2.8	22,251	10.8	—	—	—	—
1925	246,771	19,422	7.9	6,137	2.5	25,569	10.4	—	—	—	—
1926	283,602	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—
1927	361,577	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—
1928	401,530	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—
1929	479,932	31,893	6.6	8,697	1.8	40,590	8.4	—	—	—	—
1930	539,318	36,021	6.6	9,513	1.7	45,534	8.4	—	—	—	—
1931	652,338	38,433	5.9	9,489	1.4	47,922	7.3	—	—	44,851	6.9
1932	737,990	40,215	5.4	10,740	1.5	50,955	6.9	11,220	1.5	48,165	6.5
TOTAL	5,167,716	370,442	7.2	130,623	2.5	501,065	9.7	—	—	—	—

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XV.—YEARLY PERCENTAGE OF BLINDNESS AMONG
OPHTHALMIC HOSPITAL PATIENTS SINCE 1909.

YEAR	Per Cent of Blindness in one or both Eyes in- cluding cataract cases	Per cent exclud- ing Blindness from cataract cases	YEAR	Per Cent of Blindness in one or both Eyes in- cluding cataract cases	Per cent exclud- ing Blindness from cataract cases
1909	15.6	—	1921	12.2	—
1910	17.4	—	1922	11.8	—
1911	19.2	—	1923	11.2	—
1912	15.2	—	1924	10.8	—
1913	14.8	—	1925	10.4	—
1914	13.2	—	1926	10.1	—
1915	12.0	—	1927	9.8	—
1916	11.2	—	1928	9.3	—
1917	13.9	—	1929	8.4	—
1918	14.6	—	1930	8.4	—
1919	15.3	—	1931	7.3	6.9
1920	13.8	—	1932	6.9	6.5

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XVI.—PRIMARY GLAUCOMA.

Acute	36
Sub-acute	202*
Chronic	6,276
TOTAL	6,514
Total number of patients examined	737,990
Per cent of glaucoma cases	0.88
Per cent of absolute glaucoma cases	0.55
Operations :—	
Iridectomy	981
Trepine with iridectomy	1,107

* Including 4040 absolute monocular and binocular.

INCIDENCE OF PRIMARY GLAUCOMA SINCE 1922.

Varieties	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
Acute	39	25	47	30	32	56	37	53	50	82	36
Subacute	97	119	87	144	184	162	326	261	295	183	202
Chronic	2,376	3,872	2,977	3,087	3,401	3,916	4,320	5,050	6,390	5,552	6,276
TOTAL	2,512	3,013	3,111	3,261	3,617	4,140	4,683	5,364	6,725	5,817	6,514
Total number of patients examined	147,492	174,004	206,342	246,771	283,602	361,577	401,530	479,932	539,318	652,338	737,990
Per cent of glaucoma cases	1.70	1.73	1.51	1.32	1.27	1.14	1.16	1.12	1.25	0.89	0.88
Per cent of absolute glaucoma cases	1.33	1.23	0.77	0.68	0.76	0.68	0.68	0.62	0.70	0.53	0.55
<i>Operations:</i>											
Iridectomy	466	503	450	753	668	588	877	959	1,101	1,030	981
Trephining with iridectomy	503	643	908	991	1,073	954	1,190	1,196	1,144	1,093	1,107

* Including absolute monocular and binocular.

† It is remarkable here that the percentage of primary glaucoma cases mentioned above fell from 1.70 in 1922 to 0.88 in 1932. This is of great significance and it will be always considered in future.

(Kindly supplied by the Director of the Memorial Ophthalmic Laboratory, Giza)
Tissues hardened, Sections cut and examined Microscopically during 1932.

TABLE XX.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS.

HOSPITAL	FIRST	SECOND	THIRD
No. 1 Travelling	—	—	30
" 2 "	—	—	20
" 3 "	—	—	20
" 4 "	—	—	20
" 5 "	—	—	20
" 6 "	—	—	20
" 7 "	—	—	20
" 8 "	—	—	20
" 9 "	—	—	20
" 10 "	—	—	20
" 11 "	—	—	20
Tanta	—	—	43
Asyût	1	—	55
Mansûra... ..	—	—	78
Bani Suef	—	—	25
Zagazig	—	—	36
Damanhûr	—	—	31
Shibîn el Kôm	—	—	27
Sohâg	—	—	23
Minya	—	—	25
Faiyûm	—	—	10
Banha	—	—	24
Alexandria	—	—	45
Port Said	2	4	42
Qena	—	—	31
Damietta	—	—	35
Giza	—	—	77
Suez	—	—	25
Mallawi	—	—	9
Mit Ghamr	—	—	10
Maghagha	—	—	10
Fikriya	—	—	13
Asswân	—	—	23
Rod el Farag	2	4	100
Taieba	—	—	8
Esna	—	—	24
Disûk	—	—	8
Demerdash	—	—	16
Matariya... ..	—	—	23
Santa	—	—	10
Gharbiya Provincial Council Travelling Oph- thalmic Hospital	—	—	10
Daqahliya Provincial Council Travelling Oph- thalmic Hospital	—	—	12
Luxor	—	—	25
Rasheed	—	—	10
Fakous	—	—	8
Girga	—	—	8
Ashmoun	—	—	8
TOTAL	5	8	1,197

**TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS
DURING 1932, EXCLUDING COST OF RATIONS FOR EMPLOYÉS.**

HOSPITALS (1)	Number of Diets issued	Total Cost (2)	Cost per Head per Day
		L.E.	Mills.
No. 3 T.O.H.—Edfû, Kom Ombo and Daraw	5,019	90	17·92
No. 6 T.O.H.—Tala and El shouhada	6,486	134	20·62
Bani Suef	8,460	175	20·65
Damanhûr	10,445	225	21·59
Tanta	14,596	323	22·10
Mansûra	25,296	562	22·24
Qena	9,872	223	22·64
Banha	8,467	192	22·66
Asyût	19,935	454	22·79
No. 1 T.O.H.—Citadel	10,513	242	23·00
Zagazig	12,854	299	23·28
Minya	8,587	205	23·85
Rod el Farag	36,803	879	23·88
Port Said	14,832	361	24·32
No. 9 T.O.H.—Hawamdiya and Ousiem	7,046	172	24·42
Sohâg	7,066	176	24·88
No. 5 T.O.H.—Baliana	7,167	180	25·11
Giza	26,726	673	25·18
Maghagha	4,228	109	25·68
No. 4 T.O.H.—Ismailiya and Bilbeis	5,772	151	28·14
Shibin el Kôm	9,699	255	26·25
Matariya	9,581	252	26·35
Gharbiya Travelling—Kafr el Sheikh, Sherbin and Zifta ...	2,572	68	26·44
Faiyûm	3,446	92	26·60
No. 7 T.O.H.—Sannouris and Wasta	7,151	192	26·92
Daqahliya Travelling—Simbillawein and Aga (2)	2,724	75	27·53
No. 8 T.O.H.—Bani Mazar and Samallout	6,352	179	28·15
Ashmoun	1,163	33	28·27
No. 11 T.O.H.—Barrage and Shebin el Kanater	5,344	152	28·45
Santa	3,289	95	28·76
No. 2 T.O.H.—Abul Matamir and el Mahmoudia	5,394	159	29·46
No. 10 T.O.H.—Naga Hammadi	7,544	255	33·77
TOTAL... ..	314,402	7,632	24·27

(1) Excluding Ophthalmic Branches at General Hospitals.

(2) Fuel excluded.

(3) Diets were bought locally.

Scale of Full Diet as given to all In-patients at all Ophthalmic Hospitals.

	Grammes.
Bread	600
Beef	150
Vegetables	156
Lentils... ..	75
Rice	75
Milk	200
Native butter (<i>Samna-Baladi</i>)	15
Sugar	30
Salt	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS	Date at which opened	Government Grant	Public Subscription or Private Charity	Grant of Provincial Councils or Municipalities
		L.E.	L.E.	L.E.
No. 1 Travelling (retained at Cairo for provision of clinical facilities for teaching)	1904	—	1,000	—
No. 2 Travelling	1905	—	1,000	—
Tanta	1908	8,463	—	—
Asyût	1911	8,817 and site	5,004	—
Mansûra	1912	—	5,000	—
Bani Suef	1912	—	4,000	—
Asyût Travelling	1912	—	—	720
Zagazig	1913	—	—	4,288
Mahalla el Kubra... ..	1913	—	—	2,400
Kafr el Zaiyât	1913	—	—	2,200
Daqabliya Travelling	1913	—	—	720
Damanhûr	1914	—	—	5,000
Shibîn el Kôm	1914	—	5,422	—
Sohâg	1914	960	4,000	—
Minya	1915	—	—	5,500
Santa	1915	—	—	2,600
Faiyûm	1916	Site	—	4,000
No. 3 Travelling	1918	—	—	1,500
Banha	1920	—	14,000	—
Alexandria (Oph. Branch) ...	1920	Annexed to General Hospital		
Port Said... ..	1921	18,620	—	1,000
Qena... ..	1923	—	12,400	2,800
Damietta (Oph. Branch) ...	1923	{ 1,000	240	—
"Fouad I" Oph. H., Giza ...	1924	Annexed to General Hospital		
Suez (Oph. Branch)	1924	3,000 and site	8,668	600
No. 4 Travelling	1925	2,000	—	—
No. 5 "	1925	2,000	—	—
Menûf	1925	—	—	950
Ashmûn	1925	—	—	950
Memorial Ophthalmic Laboratory, Giza	1925	2,000	6,600	—
Barrim (Oph. Branch)... ..	1926	{ Annexed to General Hospital		
Mallawi (" ")	1926	{		
No. 6 Travelling	1927	2,280	—	—
No. 7 "	1927	2,280	—	—
Mit Ghamr (Oph. Branch)...	1927	Annexed to General Hospital		
Gharbiya Travelling	1927	—	—	1,500
Maghagha	1927	—	1,000	5,000
No. 8 Travelling	1928	2,500	—	—
No. 9 "	1928	2,500	—	—
No. 10 "	1928	2,500	—	—
Fikriya (Oph. Branch)... ..	1928	Annexed to General Hospital		
No. 11 Travelling	1928	2,500	—	—
Asswân (Oph. Branch)... ..	1929	6,450	Annexed to General Hospital	
"Princess Fawkiya" (Oph. Hosp.) Rod el Farag... ..	1929	25,000	—	—
Taieba (Oph. Branch)	1929	{		
Esna (Oph. Branch)	1929	{ Annexed to General Hospital		
Disûk (Oph. Branch)	1930	{		
Demerdash (Oph. Branch) ...	1931	{		
Luxor (Oph. Branch)	1931	{		
Matariya	1931	11,000	—	Site
Rasheed (Oph. Branch)	1932	{		
Fakous (" ")	1932	{ Annexed to General Hospital		
Girga (" ")	1932	{		
TOTAL		103,870	68,334	41,726

TABLE XXIII.—ACTUAL EXPENDITURE 1932.—(A) GENERAL ADMINISTRATION.

CHAPTER	Expenditure
	L.E.
Pensionable Staff	5,631
Hors Cadre Staff	388
Transport, Transfer and Travelling Allowance	412
Telephones	—
Telegraphs	—
TOTAL	6,431

* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1932.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER	Total Actual Expenditure
	L.E.
Pensionable Staff	25,545
Hors Cadre Staff	18,515
Transport, Transfer and Travelling Allowance	1,933
Food	10,108
Forage	62
Water	955
Light	488
Disposal of Sewage	155
Heating	362
Rent	59
Telegrams and Telephones	170
<i>Stores :—</i>	
General Equipment	5,832
Surgical „	385
„ Instruments	1,312
Drugs	3,012
Dressings	1,056
Transport of Stores	400
Petty Expenses... ..	368
TOTAL	70,717 *

* Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry.

TABLE XXV.—ACTUAL EXPENDITURE 1932, GOVERNMENT OPHTHALMIC HOSPITALS (per Unit).

Hospitals										L.E.
No. 1 T.O.H.	...	...	...	...	...	...	...	...	...	3,018
" 2 "	...	...	...	...	...	...	...	...	...	1,332
" 3 "	...	...	...	...	...	...	...	...	...	1,386
" 4 "	...	...	...	...	...	...	...	...	...	1,881
" 5 "	...	...	...	...	...	...	...	...	...	1,646
" 6 "	...	...	...	...	...	...	...	...	...	1,608
" 7 "	...	...	...	...	...	...	...	...	...	1,703
" 8 "	...	...	...	...	...	...	...	...	...	1,713
" 9 "	...	...	...	...	...	...	...	...	...	1,556
" 10 "	...	...	...	...	...	...	...	...	...	1,509
" 11 "	...	...	...	...	...	...	...	...	...	1,473
Tanta ...	...	...	...	...	...	...	...	...	...	2,513
Asyût ...	...	...	...	...	...	...	...	...	...	2,849
Mansûra ...	...	...	...	...	...	...	...	...	...	2,997
Bani Suef ...	...	...	...	...	...	...	...	...	...	1,961
Zagazig ...	...	...	...	...	...	...	...	...	...	1,757
Damanhûr ...	...	...	...	...	...	...	...	...	...	1,795
Shibîn el Kôm ...	...	...	...	...	...	...	...	...	...	2,160
Sohâg ...	...	...	...	...	...	...	...	...	...	2,063
Minya ...	...	...	...	...	...	...	...	...	...	2,021
Faiyûm ...	...	...	...	...	...	...	...	...	...	1,971
Banha ...	...	...	...	...	...	...	...	...	...	2,106
Alexandria Branch and Schools	...	...	...	...	...	...	...	...	...	603
Port Said ...	...	...	...	...	...	...	...	...	...	2,201
Qena ...	...	...	...	...	...	...	...	...	...	1,721
Damietta Branch ...	...	...	...	...	...	...	...	...	...	538
Giza ...	...	...	...	...	...	...	...	...	...	6,856
Suez Branch ...	...	...	...	...	...	...	...	...	...	645
Barrim Branch ...	...	...	...	...	...	...	...	...	...	459
Mallawi Branch ...	...	...	...	...	...	...	...	...	...	455
Mit Ghamr Branch ...	...	...	...	...	...	...	...	...	...	668
Maghagha ...	...	...	...	...	...	...	...	...	...	1,515
Fikriya Branch ...	...	...	...	...	...	...	...	...	...	717
Asswân Branch ...	...	...	...	...	...	...	...	...	...	708
Rod el Farag ...	...	...	...	...	...	...	...	...	...	4,781
Taieba Branch ...	...	...	...	...	...	...	...	...	...	464
Esna Branch ...	...	...	...	...	...	...	...	...	...	502
Disûk Branch ...	...	...	...	...	...	...	...	...	...	381
Demerdash Branch ...	...	...	...	...	...	...	...	...	...	228
Luxor Branch ...	...	...	...	...	...	...	...	...	...	492
Matariya ...	...	...	...	...	...	...	...	...	...	1,106
Rasheed Branch ...	...	...	...	...	...	...	...	...	...	553
Fakous Branch ...	...	...	...	...	...	...	...	...	...	578
Girga Branch ...	...	...	...	...	...	...	...	...	...	320
Cairo Schools ...	...	...	...	...	...	...	...	...	...	1,208
TOTAL ...	...	...	...	...	...	...	...	...	...	70,717

N.B.—Expenditures of Ophthalmic Branches do not include Stores Supplies which form part of General Hospitals Expenditures.

TABLE XXVI—ACTUAL EXPENDITURE 1932, PROVINCIAL COUNCIL OPHTHALMIC HOSPITALS (per Unit).

	L.E.
<i>Gharbiya Provincial Council :—</i>	
Mahalla el Kubra ...	718
Kafr el Zaiyât ...	766
Santa ...	854
Travelling Hospital ...	918
<i>Asyût Provincial Council :—</i>	
Travelling Hospital ...	532
<i>Daqahliya Provincial Council :—</i>	
Travelling Hospital ...	820
<i>Menûfiya Provincial Council :—</i>	
Menûf ...	551
Ashmûn ...	585

**TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT
OPHTHALMIC HOSPITAL IN 1914 AND 1932.**

	Number	1914	TOTAL	Number	1932	TOTAL
		L.E.	L.E.		L.E.	L.E.
ART. 1.—Salaries, Wages, and Allowances :—						
A.—Pensionable Staff :—						
Medical Officer	2	336		2	288	
Clerk	1	60		1	90	
	3		396	3		378
B.—Hors Cadre Staff :—						
Moawin	1	48		1	60	
Chief attendant	1	36		2	72	
Attendants (male)	2	42		2	48	
" (female)	2	36		2	36	
Cook	1	24		1	42	
Sai	1	18		1	24	
Gardener	—	—		1	24	
Boab	1	18		1	24	
Subordinate staff	3	54	276	2	48	378
	12			13		
C.—Allowances... ..						
		72	72		—	—
ART. 2.—Transport, Transfer and Travelling Allowance :—						
Transport	}	50	50	}	40	40
Transfer						
Travelling allowance... ..						
ART. 3.—Food						
			139			318
ART. 5.—Rent, Water, Lighting, etc. :—						
Water		30			50	
Lighting		40			30	
Heating		20		*	—	
Sewage		12		*	—	
			102			80
ART. 6.—Books and Periodicals						
			1			—
ART. 7.—Telegrams and Telephones :—						
Telegrams	}	9	9		9	9
Telephones						
ART. 8.—Petty Expenses						
			12			15
ART. 11.—Stores						
			300			400
TOTAL						
			1,357			1,618

* No special Grant for Ophthalmic Hospitals, the Grants being for the whole Department.

Statistics of Ophthalmic Treatment in Schools, 1932-1933

Ophthalmic treatment has been carried out at the primary Government schools of Tanta, Asyût, Mansûra, Bani Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Banha, Moharram Bey and Râs el Tin at Alexandria, Abbâssiya, Mohammad Aly, Munîra, Mohammadiya, Gamaliya, Abbas, Bab el Shaariya, Shubra, Abdîn, Kerabiya, Nasriya and Nahhassîn at Cairo, Qena, Port Saïd, Damietta, Suez, Asswân and Esna.

TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year).

SCHOOLS	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta	51	44	43	95	176	409
Per cent	12.47	10.76	10.51	23.23	43.03	
Asyût	11	176	142	45	73	447
Per cent	2.46	39.37	31.77	10.07	16.33	
Mansûra	—	108	40	64	345	557
Per cent	—	19.39	7.18	11.49	61.94	
Bani Suef	21	33	50	121	119	344
Per cent	6.10	9.59	14.54	35.17	34.59	
Zagazig	17	34	40	89	201	381
Per cent	4.46	8.92	10.50	23.36	52.75	
Damanhûr	13	30	29	147	66	285
Per cent	4.56	10.53	10.17	51.57	23.17	
Shibin el Kôm	2	30	15	28	49	124
Per cent	1.61	21.19	12.10	22.58	39.51	
Sohâg	7	67	46	85	54	259
Per cent	2.70	25.87	17.76	32.82	20.85	
Minya	22	11	24	55	74	186
Per cent	11.83	5.91	12.90	29.57	39.78	
Faiyûm	4	3	23	104	99	233
Per cent	1.72	1.29	9.87	44.63	42.49	
Giza	—	92	34	130	129	385
Per cent	—	23.89	8.83	33.77	33.51	
Banha	13	1	52	17	96	179
Per cent	7.26	0.56	29.05	9.50	53.63	
Moharram Bey	—	15	20	9	120	164
Per cent	—	9.15	12.19	5.49	73.17	
Râs el Tin	—	72	65	33	360	530
Per cent	—	13.58	12.26	6.23	67.92	
Abbâssiya	—	75	89	162	130	456
Per cent	—	16.45	19.52	35.52	28.51	
Mohammad Aly	9	167	57	176	89	498
Per cent	1.81	33.53	11.45	35.34	17.87	
Abbâs	5	173	93	91	114	476
Per cent	1.05	36.34	19.54	19.12	23.95	
Shubra	16	203	43	211	246	719
Per cent	2.22	28.23	5.98	29.35	34.21	
Bab el Shaariya	3	85	46	68	58	260
Per cent	1.15	32.69	17.69	26.15	22.31	
Gamaliya	—	25	35	67	84	211
Per cent	—	11.85	16.59	31.75	39.81	
Nahhassin	—	34	50	41	98	223
Per cent	—	15.25	22.42	18.38	43.95	
Nasriya	1	38	9	31	50	129
Per cent	0.77	29.46	6.98	24.03	38.76	
Munira	17	289	34	68	89	497
Per cent	3.42	58.15	6.84	13.68	17.91	
Abdin	7	125	53	78	183	446
Per cent	1.57	28.03	11.88	17.49	41.03	
Qerabiya	5	149	56	98	32	340
Per cent	1.48	43.82	16.47	28.82	9.41	
Mohammadiya	30	121	16	135	203	505
Per cent	5.94	23.96	3.17	26.73	40.20	
Port Said	3	165	42	42	67	319
Per cent	0.94	51.72	13.17	13.17	21.00	
Qena	3	97	35	36	41	212
Per cent	1.41	45.76	16.51	16.98	19.34	
Damietta	21	29	21	34	165	270
Per cent	7.78	10.74	7.78	12.59	61.11	
Suez	6	37	24	99	89	255
Per cent	2.35	14.51	9.41	38.82	34.90	
Asswân	—	33	70	23	20	146
Per cent	—	22.60	47.94	15.75	13.70	
Esna	—	21	56	79	17	173
Per cent	—	12.14	32.37	43.66	9.83	
TOTAL	287	2,582	1,452	2,561	3,736	10,618
Per cent	2.70	24.32	13.67	24.12	33.18	

TABLE I (b).—CONDITION OF CONJUNCTIVA (End of the Year).

SCHOOL.	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta	21	40	77	105	203	376
Per cent	5.58	10.64	1.86	27.92	53.99	
Asyût	9	116	25	161	126	437
Per cent	2.06	26.54	5.72	36.84	28.83	
Mansûra	—	3	—	101	414	518
Per cent	—	0.58	—	19.50	79.92	
Bani Suef	20	28	3	157	111	319
Per cent	6.27	8.78	0.94	49.22	34.79	
Zagazig	17	12	—	94	238	361
Per cent	4.70	3.33	—	26.04	65.93	
Damanhûr	12	9	—	171	78	270
Per cent	4.44	3.33	—	63.33	28.89	
Shibin el Kôm	2	25	2	30	56	115
Per cent	1.74	21.74	1.74	26.09	48.69	
Sohâg	5	5	6	136	100	252
Per cent	1.98	1.98	2.38	53.97	39.68	
Minya	22	1	—	42	121	186
Per cent	11.83	0.54	—	22.58	65.05	
Faiyûm	7	1	1	95	113	217
Per cent	3.22	0.46	0.46	43.78	52.07	
Giza	—	83	1	137	147	368
Per cent	—	22.55	0.27	37.23	39.94	
Banha	15	—	1	44	109	169
Per cent	8.87	—	0.60	26.03	64.50	
Moharram Bey	2	1	2	26	131	162
Per cent	1.23	0.62	1.23	16.05	80.86	
Râs el Tin	3	—	2	96	429	530
Per cent	0.57	—	0.38	18.11	80.94	
Abbâssiya	—	7	1	234	202	444
Per cent	—	1.58	0.22	52.70	45.49	
Mohammad Aly	9	143	25	222	99	498
Per cent	1.81	28.71	5.02	44.58	19.88	
Abbâs	2	235	—	86	145	468
Per cent	0.43	50.21	—	18.38	30.98	
Shubra	17	183	37	135	307	679
Per cent	2.50	26.95	5.45	19.88	45.21	
Bab el Shaariya	3	67	11	107	60	248
Per cent	1.21	27.02	4.43	43.14	24.19	
Gamaliya	—	7	2	96	96	201
Per cent	—	3.48	0.99	47.76	47.76	
Nahhassin	—	6	6	90	107	209
Per cent	—	2.87	2.87	43.08	51.20	
Nasriya	—	85	—	17	18	120
Per cent	—	70.83	—	14.17	15.00	
Munira	16	279	17	57	115	484
Per cent	3.30	57.64	3.51	11.78	23.76	
Abdin	7	118	11	72	210	418
Per cent	1.67	28.23	2.63	17.22	50.24	
Qerabiya	3	143	6	106	73	331
Per cent	0.91	43.20	1.81	32.02	22.05	
Mohammadiya	29	80	—	153	237	499
Per cent	5.81	16.03	—	30.66	47.49	
Port Said	3	76	4	93	127	303
Per cent	0.99	25.08	1.32	30.69	41.91	
Qena	3	27	1	86	87	204
Per cent	1.47	13.23	0.49	42.16	42.65	
Damietta	19	4	1	49	185	258
Per cent	7.36	1.55	0.39	18.99	71.70	
Suez	6	—	—	145	94	245
Per cent	2.45	—	—	59.18	38.37	
Asswân	—	69	3	48	21	141
Per cent	—	48.94	2.13	34.04	14.89	
Esna	—	23	39	88	19	169
Per cent	—	13.61	23.08	52.07	11.24	
TOTAL	252	1,876	214	3,279	4,578	10,199
Per cent	2.47	18.39	2.10	32.15	44.88	

TABLE II a.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR			END OF THE YEAR	
	Pupils with any Stage of Trachoma	Pupils with serious Stages of Trachoma I and II		Pupils with serious Stages of Trachoma I and II	
	No.	No.	Per Cent	No.	Per Cent
1907-1908	464	289	62.3	—	—
1914-1915	1,553	342	22.0	61	4.0
1916-1917	1,528	327	21.4	48	3.0
1917-1918	1,699	282	16.6	71	4.2
1919-1920	2,454	410	16.7	201	8.2
1920-1921	3,363	643	19.1	290	8.6
1921-1922	5,036	1,369	27.2	580	11.5
1922-1923	6,140	1,982	32.3	892	14.5
1923-1924	6,820	2,115	31.0	835	12.2
1924-1925	7,107	2,442	34.4	722	10.2
1925-1926	7,337	1,865	25.4	374	5.1
1926-1927	9,053	2,160	23.9	582	6.4
1927-1928	12,057	2,819	23.4	830	6.9
1928-1929	11,319	2,624	23.2	722	6.4
1929-1930	11,223	2,397	30.2	919	8.4
1930-1931	10,793	2,893	26.8	877	8.1
1931-1932	10,707	4,576	42.7	1,750	16.3
1932-1933	10,331	4,031	39.1	2,090	20.2

TABLE II b.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA		BEGINNING OF THE YEAR		END OF THE YEAR	
		No.	Per Cent	No.	Per Cent
Trachoma	I	2,582	25.00	1,876	18.86
"	II	1,452	14.05	214	2.15
"	III	2,561	24.79	3,279	32.96
"	IV	3,736	36.16	4,578	46.02

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year).

SCHOOLS	1ST YEAR				2ND YEAR				3RD YEAR				4TH YEAR			
	Trachoma				Trachoma				Trachoma				Trachoma			
	I.	II.	III.	IV.	I.	II.	III.	IV.	I.	II.	III.	IV.	I.	II.	III.	IV.
Tanta ...	23	21	22	13	10	7	12	21	15	9	6	38	49	7	28	71
Asyút ...	3	57	43	5	—	45	32	2	4	56	40	19	22	18	19	43
Mansûra ...	—	32	13	57	—	42	8	13	—	17	12	18	97	7	20	100
Bani Suef ...	2	7	19	22	6	14	11	38	11	5	15	41	37	7	26	37
Zagazig ...	3	17	13	24	4	7	8	16	5	5	14	26	62	5	31	83
Damanhûr ...	5	7	15	8	2	7	9	31	3	13	4	56	17	3	31	21
Shibîn el Kôm ...	—	16	4	7	1	10	5	6	1	3	4	5	9	1	11	22
Sohâg ...	2	25	23	13	3	20	5	23	1	16	12	32	19	6	19	12
Minya ...	8	5	8	19	4	1	2	6	5	3	7	22	22	2	18	24
Faiyûm ...	—	2	7	14	3	1	6	28	1	—	7	31	21	3	26	37
Giza ...	—	4	1	43	—	10	7	40	—	26	12	28	31	—	19	11
Banha ...	4	—	17	2	3	1	9	3	3	—	9	8	31	—	4	40
Moharram Bey ...	—	3	4	36	—	5	2	3	—	4	4	1	33	3	5	21
Râs el Tin ...	—	27	21	65	—	21	15	9	—	15	15	10	90	9	9	111
Abbâssiya ...	—	23	32	26	—	21	13	37	—	11	27	53	31	20	46	30
Mohammad Aly ...	—	65	27	16	3	44	13	50	3	28	10	63	17	30	47	26
Abbâs ...	2	51	35	5	2	58	24	24	1	44	22	26	29	20	36	37
Shubra ...	5	94	17	18	—	58	9	52	8	41	13	62	87	3	55	84
Bab el Shaariya ...	—	33	17	4	1	26	12	14	2	11	12	29	22	15	15	14
Gamâliya ...	—	7	11	3	—	6	12	18	—	10	9	22	24	2	24	19
Nahhassin ...	—	15	18	17	—	12	9	11	—	4	12	15	28	3	10	32
Nasriya ...	—	11	1	5	—	9	2	11	1	8	2	10	20	10	8	15
Munira ...	4	86	14	7	2	79	13	21	5	71	5	20	43	53	16	25
Abdin ...	1	52	27	15	2	27	12	28	2	19	6	19	46	27	8	33
Qerabiya ...	—	44	13	7	2	49	14	19	3	34	19	30	9	22	10	8
Mohammadiya ...	4	68	8	19	6	24	3	47	14	17	3	52	70	22	36	46
Port Said ...	—	60	18	—	1	58	6	5	2	30	10	12	25	12	20	26
Qena ...	2	27	8	1	—	19	8	6	1	25	13	10	13	17	18	15
Damietta ...	6	10	10	32	7	11	5	9	5	6	4	5	46	2	9	45
Suez ...	4	23	8	3	—	7	3	27	—	5	9	34	38	2	19	21
Asswân ...	—	11	27	4	—	6	14	5	—	9	15	3	11	7	11	5
Esna ...	—	6	14	2	—	9	17	14	—	4	19	30	5	2	23	5
TOTAL	80	909	515	396	63	714	320	637	96	549	371	831	1114	410	697	1119

TABLE III *b*.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (Beginning of the Year).

CLASS	Total Number of Pupils	Total Number of serious Stages of Trachoma I and II	Per Cent
First Year	2,445	1,424	58.08
Second Year	2,692	1,034	34.91
Third Year... ..	2,961	920	31.07
Fourth Year	2,520	656	26.03

TABLE IV.—NUMBER OF PUPILS ORDERED SPECTACLES NOT GREATER IN STRENGTH THAN ± 6 DIOPTRES AND BY THEIR USE GOT GOOD OR FAIR VISION.

	TOTAL	GRAND TOTAL	* Per Cent
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	35	127	24.85
(b) Vision 6/6 and 6/9, or 6/9 and 6/9,	92		
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12	143	160	31.70
(b) Vision 6/6 and 6/18	17		

* The percentage is taken in relation to the number of all pupils ordered spectacles (*i.e.* 511) see table V.

TABLE V.—SPECTACLES ORDERED.

Schools	Number of pupils now attending obtained spectacles in previous years	Number of pupils now attending obtained spectacles this year	Number of pupils now attending ordered spectacles but not yet obtained	Total	Spectacles on order or under repair	Number of pupils wearing spectacles on date of final inspection	Net number not wearing spectacles which were previously ordered
Tanta	22	6	—	28	—	28	—
Asyût	15	4	1	20	1	19	—
Mansoura	10	7	—	17	—	17	—
Beni Suef	8	1	—	9	—	7	2
Zagazig	16	6	—	22	—	22	—
Damanhûr	4	2	—	6	—	6	—
Shebin el Kom	8	6	—	14	—	14	—
Sohâg	20	4	—	24	—	24	—
Minya	11	—	—	11	—	11	—
Fajyûm	15	5	—	20	—	20	—
Giza	28	5	—	33	—	32	1
Benha	5	2	1	8	1	6	1
Moharram Bey	7	2	—	9	—	9	—
Ras el Tin	23	2	1	26	1	25	—
Abbassia	10	2	1	13	1	12	—
Mohammed Ali	10	1	—	11	—	11	—
Munira	8	4	—	12	—	12	—
Mohammadia	19	5	—	24	—	19	5
Gamalia	10	4	—	14	—	14	—
Abbass	23	5	—	28	—	28	—
Bab el Sha'riya	8	1	—	9	—	9	—
Shubra	31	4	—	35	—	22	13
Abdin	7	6	—	13	—	13	—
Qerabia	17	9	—	26	—	26	—
Nasria	5	1	—	6	—	6	—
Nahh-sin	6	6	—	12	—	12	—
Qena	6	4	—	10	—	10	—
Port Said	13	7	—	20	—	20	—
Damietta	10	4	—	14	—	14	—
Suez	5	3	—	8	—	8	—
Aswân	5	—	—	5	—	5	—
Esna	4	—	—	4	—	2	2
TOTAL	389	118	4	511	4	483	24

TABLE VI.—VISION OF ALL PUPILS WITHOUT SPECTACLES

	TOTAL	GRAND TOTAL	Per Cent
<i>Good Vision:—</i>			
(a) Normal vision in each eye 6/6 and 6/6	2,176		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9	3,755		
		5,931	55.86
<i>Fair Vision:—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12... ..	2,048		
(b) Vision 6/6 and 6/18... ..	216		
		2,284	21.32
<i>Bad Vision:—</i>			
(a) Fails to attain any of the above standards	2,423	2,423	22.82
TOTAL	10,618	10,618	—

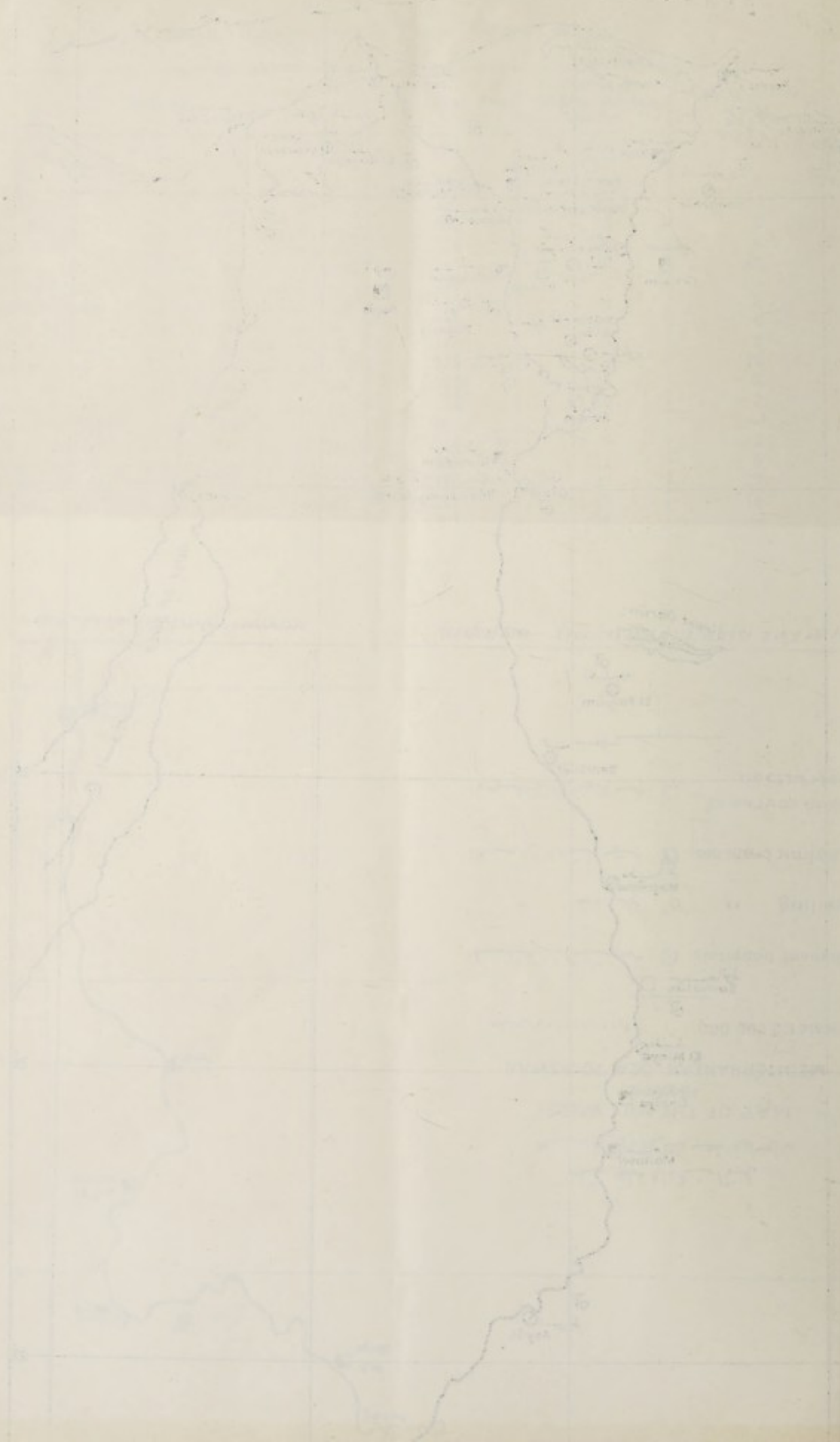
TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOLS	Both Corneas clear	One Cornea clear the other showing Opacity	Opacity of both Corneas
Tanta	383	18	8
Asyût	402	25	20
Mansûra	527	24	6
Bani Suef	316	20	8
Zagazig	345	20	16
Damanhûr	279	6	—
Shibîn el Kôm	113	8	3
Sohâg	239	14	6
Minya	178	6	2
Faiyûm	212	9	12
Giza	367	15	3
Banha	153	19	7
Moharram Bey	162	2	—
Râs el Tin... ..	519	9	2
Abbassiya	439	11	6
Mohammad Aly	447	29	22
Abbâs... ..	444	18	14
Shubra	705	14	—
Bab el Shaaria	218	22	20
Gamâliya	189	15	7
Nahhassin	207	11	5
Nasriya	127	1	1
Munira	486	8	3
Abdin	428	11	7
Qerabiya	310	20	10
Mohammadiya	492	9	4
Port Said	311	4	4
Qena	183	20	9
Damietta	254	12	4
Suez	245	7	3
Asswân	135	9	2
Esna	145	18	10
TOTAL	9,960	434	224
Per cent	93·80	4·09	2·11

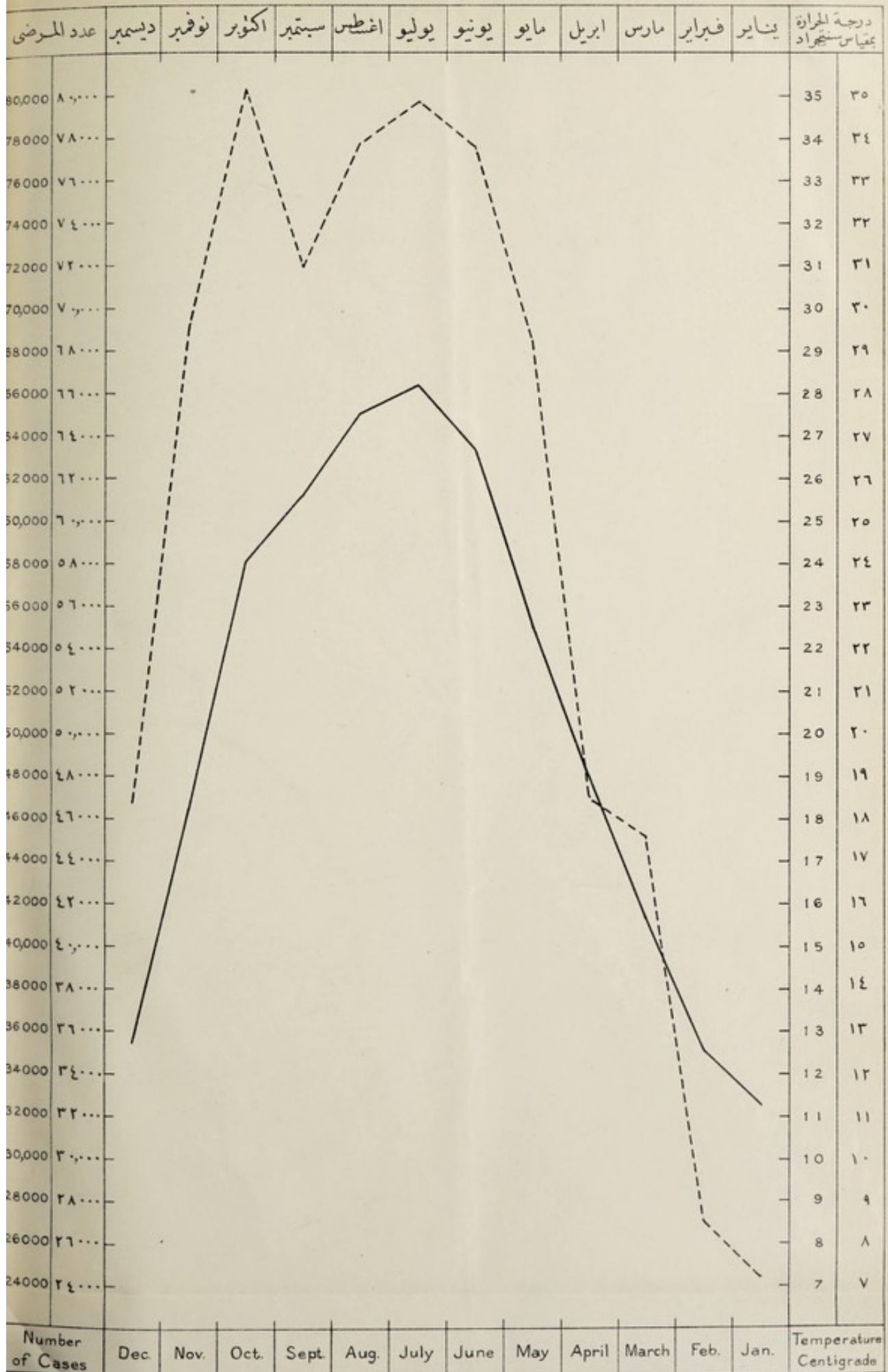
TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1932-1933.

YEAR	Both Corneas Clear	One Cornea Clear, the other showing Opacity	Opacity of both Corneas
1914-1915	173	54	33
1932-1933	383	18	8





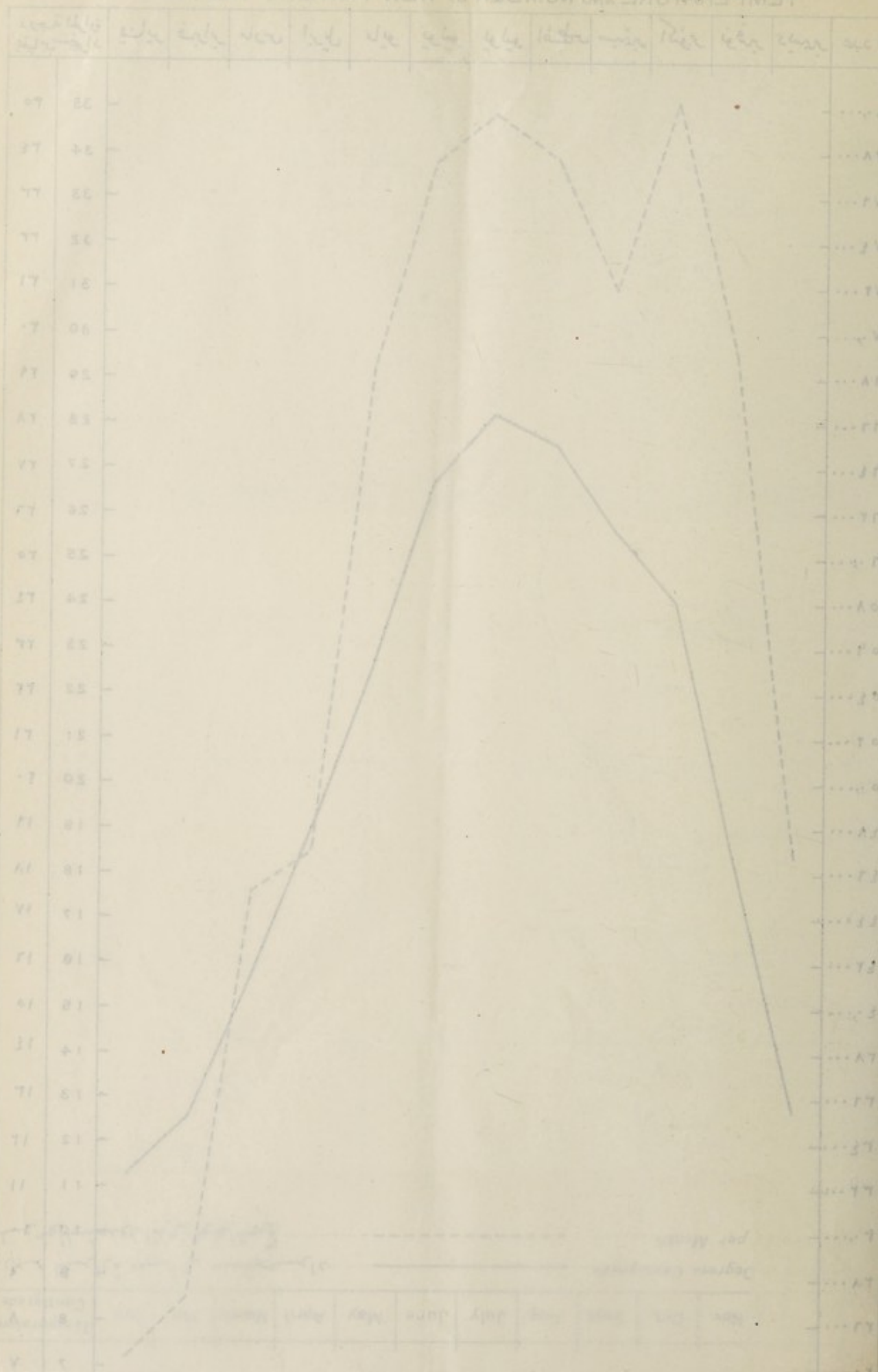
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