

Report of the Committee of Management and Medical Director : 1948 / Papworth Village Settlement.

Contributors

Papworth Village Settlement (Cambridge, England)
Papworth Hall Tuberculosis Colony (Cambridge, England)

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THE PAPWORTH VILLAGE SETTLEMENT

Registered Office: PAPWORTH HALL, CAMBRIDGE.

REPORT OF THE COMMITTEE OF MANAGEMENT AND MEDICAL DIRECTOR

FOR

1948

PRESENTED AT THE THIRTY-SECOND ANNUAL GENERAL
MEETING OF THE SETTLEMENT, ~~JUNE~~ ^{JULY} 20th, 1949

Papworth Village Settlement

NEAR

(INCORPORATED)

CAMBRIDGE

[Founder and first Medical Director : The late SIR PENDRILL VARRIER-JONES, F.R.C.P.]

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HER MAJESTY QUEEN MARY

HER ROYAL HIGHNESS THE PRINCESS ALICE, COUNTESS OF ATHLONE

MAJOR-GENERAL THE RT. HON. THE EARL OF ATHLONE, K.G.

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HER ROYAL HIGHNESS THE PRINCESS ROYAL

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1925-1934 : SIR HUMPHRY ROLLESTON, Bt., G.C.V.O., K.C.B., Hon. D.Sc., D.C.L., LL.D., M.D., F.R.C.P., &c. (died 1944).

1934-1942 : HIS ROYAL HIGHNESS THE DUKE OF KENT, K.G. (killed on Active Service, 1942).

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† denotes Chairman of Committee of Management.

* denotes Member of Committee of Management.

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CHIEF MEDICAL OFFICER :

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D.P.H.

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PAPWORTH INDUSTRIES:
B. TALLYN

TREASURER :

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WORKS MANAGER :

PAPWORTH INDUSTRIES:
A. GROGAN

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Chief Clinical Assistant Medical Officer :

J. M. Battersby, M.A., M.R.C.S., L.R.C.P.

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E. H. Hudson, M.A., F.R.C.P. J. B. Hunter, C.B.E., M.C., M.A., M.Ch., F.R.C.S.
K. M. A. Perry, M.A., M.D., F.R.C.P.

Surgical Director :

Assistant Surgical Director :

G. Kent Harrison, M.D., F.R.C.S.

Anaesthetists :

R. A. Bowen, M.R.C.S., L.R.C.P.
I. C. W. English, M.R.C.S.,
L.R.C.P.

RESEARCH STAFF

Research Pathologist :

E. Brieger, M.D.

Clinical Pathologist :

D. Barron Cruickshank, L.R.C.P. & S. (Edin.),
L.D.S. (Edin.), D.P.H. (Camb.)

CHAPLAIN: Rev. G. W. F. Coupe.

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16, GROSVENOR PLACE, LONDON, S.W.1.
TEL : Sloane 2115

BANKERS :

Barclays Bank, Ltd.
Cambridge.

AUDITORS :

Cambridge : Peters, Elworthy & Moore.
London : Barton, Mayhew & Co.

REGISTERED OFFICE :

Papworth Hall,
Cambridge.

As at
31st December, 1948.

REPORT OF THE COMMITTEE OF MANAGEMENT, 1948

THE submission of a Report for the year 1948 presents rather more difficulty than usual, since this has been mainly a period of adjustment to the new conditions set up by the inauguration of the Health Service on July 5th.

The division between treatment and rehabilitation brought about by the Act has necessarily involved many changes, but the basic idea of Papworth remains unaltered. Our work for the rehabilitation of the tuberculous goes on as before, and the Committee of Management has every confidence in the continued development of this work, on the principles laid down by our Founder, and so successfully followed throughout the past thirty years. In the words of the Minister of Health, whom we were privileged to welcome on his first visit to the Settlement in May, "Papworth will have no reason to fear that it will, in any way, be interfered with, but its opportunities will almost certainly be enlarged."

The changes to which I have referred relate of course to the treatment aspect of our work, the ownership and control of our hospitals having passed to the East Anglian Regional Board and to the newly formed Papworth Group Hospital Management Committee respectively. The actual buildings concerned are the Bernhard Baron Hospital for men, the Princess

Hospital for women, the Nelson Langermann Hospital, the Sims-Woodhead Memorial Laboratory and St. Peters' Nurses' Home.

Here again, however, Papworth has been fortunate in that the break has not been so decisive as might at first appear. The unique character of our work has been recognized by the setting up, under the Regional Board, of a Hospital Management Committee solely for Papworth; and on this Committee no less than ten members of our own Committee of Management have been elected to serve.

A considerable amount of continuity has thus been maintained and the administration has remained much the same as heretofore. Certain senior officers of the Institution have become part-time officers also of the Regional Board; in the main, however, the lay staff have remained employees of the Settlement, but in order to preserve as much uniformity as possible the Committee decided to adopt the National Health Service scales of salaries for administrative staff. In addition the Committee took the precaution of recording by formal resolution the service of those officers which had not been entirely covered by the Pensions Scheme in the event of their transfer under the Act to the Health Service.

The hostels and Queen Mary House have remained in the care of the

Village Settlement as have the supply services generally, such as catering, maintenance, light, heat and power, etc.

The medical and nursing staff have been transferred to the employment of the Regional Board, but the Regional Hospital Board has undertaken that the medical care of the patients and ex-patients in the hostels shall be the responsibility of the National Health Service and not that of the Settlement.

An agreement has been reached with the East Anglian Regional Hospital Board on the division of costs, but it is not yet possible to say how satisfactory the arrangements will prove under working conditions.

Two outstanding features of the year 1948—to some extent related to each other—have been the introduction of a Ministry of Labour Scheme for trainees undergoing rehabilitation at Papworth, and the colonization of a record number of patients. The former provides for training up to a period of two years, with generous allowances for the trainees, and its fuller implications will be dealt with by the Medical Director, in his Report.

The Industries have continued to make satisfactory progress in all departments throughout the year. On the building side the first wing of the new South Park Hostel (20 beds), and three pairs of permanent brick-built houses were completed and occupied. Authority too was obtained for the exterior decoration of the hostels.

New building, however, remains our principal difficulty, and much remains to be done if the waiting list is to be reduced to reasonable proportions. Licences for 13 more pre-

fabricated bungalows were obtained, but the Town and Country Planning Act which came into force on July 1st has delayed the layout scheme for these, and at the end of the year new proposals for the future development of Papworth were still only in the embryo stage.

The Committee has received with great regret the resignations of Sir Edward Baron, and Mr. H.W. Danbury, two co-opted members whose advice, particularly in financial matters, has been of the greatest value on so many occasions in the past. It is pleasant to record, however, that the deep interest which Sir Edward Baron has always taken in Papworth's development remains undiminished, and he has now added to his many previous kindnesses the generous offer of £17,500 towards the cost of a new hostel for women trainees.

Another gift which gave us all the utmost pleasure was a generous contribution made by H.R.H. The Princess Elizabeth from the Royal Wedding Presents Fund, thereby adding yet another kindness to the many for which we are already so deeply indebted to members of the Royal Family.

The Committee were somewhat concerned as to the fate of the Edith Edwards Children's Home Fund, and are glad to be able to report that assurances have been received from the Ministry of Health that this Fund would not be taken over by the Regional Hospital Board. Unfortunately the Ministry also expressed the view that it would not be possible to proceed with the building of a Children's Hospital at the present time owing to shortage of nurses and other difficulties, and a proposal to use the

Fund for the erection of a Research Laboratory at Papworth is now under consideration. The original project, however, has not been lost sight of, and the Committee are endeavouring to obtain a promise that a Children's Hospital will be provided by the Regional Hospital Board as soon as conditions permit.

The House Committee appointed in 1947 was dissolved in September 1948 consequent upon the setting up of a House Committee by the Hospital Management Committee. In its place the Committee have now set up a rota of visitors, two of whom will visit the Settlement each quarter.

The Committee wish to express once again their sincere thanks for the continued generosity of our supporters, without which our work in the

field of rehabilitation could not go on ; to the Papworth Guild whose work for the welfare of our patients has been so genuinely appreciated ; and to the Honorary Staff, the Medical Director, and all our executives and employees, for their loyal service throughout a trying and difficult year.

Finally a special tribute must be paid to my predecessor, Mr. J. E. Bidwell, who to our great regret relinquished his office as Chairman of this Committee last July. One of our original 'foundation' members, his untiring and devoted service to Papworth dates back to 1918, and we are indeed grateful to have him still with us in the capacity of Vice-Chairman.

RICHARD BRISCOE,

Chairman.

REPORT OF THE MEDICAL DIRECTOR

REFERENCE was made in last year's Report to the early introduction of a Scheme, worked out in conjunction with the Ministry of Labour, whereby our patients could get training grants from the time they commenced work in our Industries. We had always believed at Papworth that there were two main obstacles to the prospective settler in our Village. The first was the period of training, during which he was a financial loss to our industrial economy, and could not command a pay packet suitable to his own needs and far less suitable to the needs of his dependants; the second was the waiting period between the end of his training and the time when we could offer him a house in the Village to which to bring those dependants. We have now solved the first difficulty. The Ministry of Labour Scheme has been a great success, for 99 patient-workers were able to join it and in the past year 65 of our patients decided to colonize. This is the largest number since Papworth was founded thirty-one years ago.

The second obstacle remains. Difficulties about licences and materials to build with can be overcome, but prices have soared steadily since the war so that it now costs three times as much as it did in 1939 to provide a house, even with our own colonist labour.

The new Health Act, contrary to the belief of many people, does not help us in any way over the provision of industrial equipment, permanent em-

ployment, housing and Village amenities. These remain entirely in the hands of the Committee of Management. Responsibility for treatment in hospital and hostels has passed from the Local Authority to the Regional Board. The link between treatment and rehabilitation has remained unbroken although its machinery is different. Further than that no change has occurred, and nothing has happened which lessens the onerous duty of the Committee. It would be an entire mistake to believe that Papworth requires less donations to carry on its self-imposed task of seeing the proper end of treatment in establishing the patient in a home of his own, with economic security and an opportunity to bring up his family in conditions that ensure that they will not break down with the disease that altered his whole life; indeed the Committee needs even more help than ever before.

One thing the new Health Act has done; it has given Papworth the recognition which its medical reputation deserves. We are to be placed in the status of a post-graduate teaching school. Junior medical officers will be of Trainee Standard, which means that by their work at Papworth they can rise to the position of Chest Physicians. The Nelson-Langermann Hospital is to be the main Thoracic Surgery Unit for the whole Region, and we hope to see shortly the foundations of a new Surgical block, so that we can deal with every form of disease that can be aided by the skill of the modern chest surgeon.

GENERAL MEDICAL STATISTICS 1948

(1) January 1st to July 4th :

	Male	Female	Total
(a) Average No. under treatment	321	146	467
(b) Admissions	105	83	188
(c) Discharges	107	89	196
(d) Total No. treated	418	228	646

(2) July 5th to December 31st :
Rehabilitation Patients only

(a) Average No. under treatment	221	73	294
(b) Admissions	53	13	66
(c) Discharges	49	7	56
(d) Total No. treated ...	274	87	361

(3) January 1st to December 31st :
(includes Hospital patients until July 4th, 1948).

(a) Average No. under treatment	269	112	381
(b) Admissions	158	96	254
(c) Discharges	156	96	252
(d) Total No. treated ...	468	241	709

Ministry of Labour Training Scheme

Statistics as at 31st December

No. of applicants—99.

16 terminated through Colonization

4 " " Sickness

1 On receiving Pension

5 On leaving the Settlement

1 Progress not being satisfactory.

No. working 6 hours —14 men, 7 women

" " 5 " — 8 " 3 "

" " 3 " —19 " 21 "

REHABILITATION STATISTICS

	Men	Women	Total
Patients colonized :			
Institution	12	15	27
Industries	31	7	38
			—
			65

SURGICAL UNIT (THE NELSON-LANGERMANN HOSPITAL)

Surgical Director,

J. B. Hunter, C.B.E., M.A., M.C., M. Ch.,
F.R.C.S.

Asst. Surgical Director,

G. Kent Harrison, M.D., F.R.C.S.

Consulting Hon. Anaesthetist,

H. N. Webber, M.A., M.R.C.S., L.R.C.P., D.A.

During the period under review, Mr. Tubbs, who had been surgeon to the Department, had to restrict his activities owing to pressure of work, and Mr. G. Kent Harrison joined the staff as Assistant Director.

An increasing amount of surgical work is now done in the Department, and this is likely to increase in the future. A total of 239 operations were carried out, 231 of them on tuberculous patients and 8 of them on patients with other chest diseases. 64 of these were major operations, and 175 minor procedures. Owing to the increasing amount of work the nursing in the Surgical Department has been correspondingly heavy and there has been considerable difficulty in meeting the requirements, but the difficulties have been successfully overcome with the willing co-operation of Matron and her staff. It will be realized that the nursing of these surgical cases is extremely arduous, important and heavy work, but, at the same time, is of great interest.

Operations performed during the period 1st January to 4th July, 1948.

Thoracoplasty Stages	42
Thoracoscopies and Adhesion Section	67
Extrapleural Pneumothorax	5
Phrenic Crush	62
Bronchoscopies (including 3 Non-T.B.)	42
Thoracotomy	1
Pneumonectomy (Non. T.B.)	4

X-RAY DEPARTMENT

E. W. Groves, M.S.R.

January 1st—July 5th, 1948

Again I have to report that during the period under consideration, which owing to the inauguration of the National Health Service is for six months only, work in the X-ray Department continued as usual.

During the whole time there were no changes in the personnel or in the plant.

Early in the year some trouble was experienced with the tube-head of the portable unit. This was soon rectified and since then the unit, in spite of considerably increased demands for its use, has been quite trouble-free.

In this report it is impracticable to make, (as in previous reports), a direct comparison of the amount of work undertaken, owing to the shorter length of the period concerned.

Both the number of patients X-rayed, and the number of exposures made were increased by about $4\frac{1}{2}$ per cent over 1947.

The number of films of chests, Barium Meals, Bones and Joints, Obstetrics, Dental and Nasal Sinuses, all showed increases over 1947, while there was a decrease in the number of Bronchograms, Tomograms and Pyelograms.

There were increases in the number of In-Patients, Staff, Patients for Local Authorities, and Visitors X-rayed ; with a decrease in the number of Adult Villagers, Papworth Industries Personnel, Village Children and private patients.

It is notable that the number of patients X-rayed for Local Authorities showed an increase of 39 per cent over 1947.

A detailed analysis of the work undertaken follows :—

Bernhard Baron Hospital :

Total X-ray Photographs	...	...	3,576
<i>Analysis of films taken :</i>			
Chests	...	...	2,537
Bronchograms	...	...	25
Pyelograms	...	...	7
Tomograms	...	...	209
Barium Meals and Enemas	...	...	60
Bones and Joints	...	...	226
Dental	...	...	43
Nasal Sinuses	...	...	25
Other types	...	...	40
<i>Analysis of haterogories of Patients X-rayed :</i>			
In-Patients	...	...	1,555
Adult Villagers	...	...	351
Children of School age normally resident in the Settlement	...	...	54
Hospital Special and General Staff	...	...	177
Patients referred by local authorities and local practitioners	...	...	290
Private Patients	...	...	30
Visitors	...	...	21
Papworth Industries Personnel	...	...	236

Vaughan X-ray Department

Nelson-Langermann Surgical Hospital

Films taken :

Chests	152
Skull	2
Patients X-rayed	146

Portable Unit :

Films taken (all chests)	81
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Grand Total 3,811 films of 2,941 patients.

On February 25th I lectured on X-rays and their applications to the Cambridge Branch of the Institute of Medical Laboratory Technology.

In April I spent a few days at Enham to assist Dr. MacCallum in the installation of a mobile X-ray Unit in the White House Clinic.

On May 11th the Department was visited by members of the staff of the Radiographic Department of Messrs. Ilford Ltd., with a large party of Swedish Radiographers.

During May the Department undertook the preparation of a series of colour photographs of chick embryos dead in the shell, to illustrate a lecture on "The Relationship of Visceral Anomalies of Full Term Dead in Shell to Embryonic Malposition." This lecture was given by Mr. W. Marshall, in charge of Papworth Industries Incubation Research Laboratory, at the 8th World's Poultry Science Congress in Copenhagen.

In July the Department was visited by numerous members of the British Medical Association Congress at Cambridge, and assisted in the preparation and demonstration of material shown during lectures in the section on Diseases of the Chest.

OUT-PATIENTS DEPARTMENT

Number of attendances for the period January 1st to July 5th 1948 :

Morning Visits	...	...	...	2,113
Evening Visits	...	...	...	892
New Cases	...	...	...	383
A.P. Refills	...	...	...	2,189
Total				5,577

Dental Clinic

W. Baird Grandison, F.D.S., R.C.S., (Eng.),
L.D.S., R.C.S., (Edin.).

Number of :		
Sessions	49	
Attendances :		
(a) Clinic Patients	502	
(b) Bed ,,	51	
Fillings	294	
Extractions	328	
Scalings	97	
Teeth treated with Nitrate of Silver	36	
Gum Treatments	110	
X-rays	80	
Dentures Supplied... ..	49	
Dentures Repaired	26	
Other Operations including :		
Impacting Wisdom Teeth	} 61	
Gingivectomy		
Alveolectomy		
Dental Cysts, etc.		

The above statistics cover the period from January 1st 1948 to July 4th 1948 inclusive. From July 5th 1948 an entirely new administration will be effected as a result of the National Health Service Act.

From early in the year 1927 it has been my privilege to attend once every week at Papworth in order to attempt to meet the dental needs of the patients suffering from tuberculosis, and their families. Throughout the whole period I have enjoyed the full co-operation of the medical, nursing and administrative staff, and I am most grateful. It has been not only a pleasure to work at Papworth, but the vast experience gained has been extremely valuable, covering as it has work of a specialized character, which has brought me into contact with colleagues whose help and advice have been much appreciated.

Physiotherapy Clinic

From January to July 5th 1948 Mrs. Coupe, M.C.S.P., was working on a half-time basis.

The total number of attendances was 1,329 of which 929 were in-patients and 400 out-patients.

The forms of treatment included Faradism, Infra-red irradiation, ultra violet light, Massage and Remedial Exercises.

Thirty-three patients were treated through their various stages of thoracoplasty.

Mr. R. Weeden Butler visited the Settlement once a month to give advice on orthopaedic patients.

Ophthalmic Clinic

G. F. Wright, M.A., M.B., B.Ch., D.O.M.S.
1st January—5th July, 1948

The regular monthly clinic has been continued. The cases are mainly Errors of Refraction and Heterophoria and minor surgical conditions ; major surgical cases are referred to Addenbrooke's Hospital, Cambridge.

The total number of cases seen was 53, a few of whom were in-patients. No cases of tuberculous conditions of the eye have been seen.

Orthopaedic Clinic

R. Weeden Butler, M.A., M.Ch., M.D., F.R.C.S.

Monthly Orthopaedic Clinics have continued. At these Clinics Mr. Butler combined the Out-Patient session for ambulant patients and orthopaedic cases arising in the Settlement, with seeing bed patients in the Sanatorium blocks. Clinics also act as a follow-up for patients treated by operation or for emergency at Addenbrooke's and for reference of patients receiving physiotherapy.

Psychological Clinic

H. Banister, M.Sc., Ph.D.

The Psychological Clinic has continued throughout the year, twenty-three patients having received treatment in fifty-nine sessions. While the number of ex-service patients has declined, the number of women patients who needed help has increased.

Gynaecological Clinic

Oswald Lloyd, M.D., F.R.C.S., M.R.C.O.G.

Mr. Oswald Lloyd paid occasional visits to Papworth at the request of the medical staff to see cases unable to attend the Out-Patients Department at Addenbrooke's Hospital. A number of patients were admitted to Addenbrooke's Hospital and having been operated on, were transferred to Papworth, an arrangement which is of considerable value in view of the shortage of beds at Addenbrooke's Hospital.

RESEARCH DEPARTMENT

E. M. Brieger, M.D.

B. R. Smith, B.Sc.

A. Johnson.

Electronmicroscopy of Mycobacteria

In conjunction with Dr. V. E. Cosslett, head of the department for Electronmicroscopy, Cavendish Laboratory, Cambridge, investigations on the internal structure of Tubercle bacilli were continued and extended to the bovine bacillus. A new technique was evolved (described by the writer at the meeting of the American Society for Electronmicroscopy at Toronto, October 1948) by which the bacilli were grown directly on the grids, either placed on a solid medium or floated on a fluid medium. Our previous results showing the appearance of internal bodies were confirmed by this method, and further information on the nature of these structures was obtained.

Host-Parasite Relationship in Tissue-Culture

In previous publication on my work with Dr. Honor B. Fell, Strangeways Research Laboratory, Cambridge, we reported that tissue culture infected with virulent avian bacilli survived the infection very well, although the bacilli contained in the phagocytes remained viable and capable of active multiplication. We have been able to show that a similar symbiosis exists between the human tubercle bacillus and susceptible host tissues. This work is being continued—our study on the host-parasite relationship between the tubercle bacillus and tissues from both susceptible and resistant hosts is now nearing completion.

Methods for the Assessment of the Action of Chemotherapeutic Agents

We started to examine the action of oxalic acid on tubercle bacilli grown in microculture. We were able to show that the addition of 5 per cent or more oxalic acid to the medium completely arrested growth, 2.5 per cent oxalic acid inhibited growth, and 1 per cent did not affect growth at all. We have since extended this technique to the action of promin and streptomycin. In both cases we observed that concentrations which inhibited growth encouraged non-acidfast forms to form. The effect of these agents on T.B.-infected tissue culture is now being studied.

Demonstration

Pathological Society, London, January, 1948.
E. M. Brieger, J. Smiles and F. Welch (National Institute Medical Research, Hampstead) on Observation of living avian tubercle bacilli in reflected light (Ultrapak.)

THE SIMS WOODHEAD MEMORIAL LABORATORY

Clinical Pathologist,

D. Barron Cruickshank, L.R.C.P., L.R.C.S.,
D.P.H., L.D.S.

Chief Technician,

F. Boot, F.I.M.L.T.

The increase of the diagnostic work of the laboratory, already remarked in previous years, has continued. While most noticeable in the sputum section, where the total items reported increased from 5,203 in 1947 to 6,959 in 1948 (2,043, 997, 2,340, 1,579), there are similar trends in other departments; for example, in Clinical Chemistry there was a corresponding increase in items from 1,187 in 1947 to 1,720 in 1948. These increases have introduced problems of staffing and accommodation unforeseen at the time the present laboratory extension was designed.

TABLES

Clinical Chemistry

Standard Urinalysis	...	...	834
Special (quantitative) Urinalysis	...	...	212
Blood Chemistry	...	...	57
Test Meals, C.S.F., etc.	...	...	526
Food and Drugs	...	...	91

Analytical Chemistry

Milk (Phosphatase, etc.)	...	...	456
Water (Hardness, etc.)	...	...	464

Bacteriology and Haematology

Sputum : Direct Microscopy	...	2,043
" " " (Hunts. & Beds C.C.)	...	997
" Fluorescence Microscopy	...	2,340
" Cultures for T.B. (No. of cases)	...	1,579
Cultures (All varieties, T.B. and others)	...	6,332
Microscopical Preparations	...	5,876
Animal Inoculations	...	34
Serological Tests	...	6
Penicillin and Sulphonamide Sensitivity Tests, etc.	...	1,146
Haematology	...	1,206

Other Activities

Dispensing 876

The figures for the calendar interval 1st January to 4th July, 1948, can be obtained by taking a 186/366ths proportion (almost exactly half) of the figures for the year, as tabulated.

THE VILLAGE

During 1948, 2,649 nursing visits and 239 casual were paid to homes of colonists and staff in the Village by the district nurse.

Nine babies were born to our families, 8 in the County Hospital and 1 at home

There were 972 attendances at the weekly Welfare clinic, during which 6 babies were vaccinated, 18 immunized against Diphtheria and Whooping Cough, and 3 five-year-olds given a Booster dose of Diphtheria and Whooping Cough vaccine before entering school.

Four Ante-Natal examinations were made, and visits paid to the school, quarterly, for Pediculosis report, which was "clean" each time; four routine and 68 follow-up visits to children on the School Medical Officer's remedial list.

Ten "Under 1 year" health visits were paid, and 132 "Over 1 year".

There were 3 cases of mumps and 4 of whooping cough, none of them severe.

INDUSTRIAL REPORT FOR 1948

The overall economic result of our year's work in the Industries was very satisfactory.

The turnover showed an increase on the previous year's figures, and after making full allowance for depreciation, a margin was available for new machinery, plant extension and housing.

Owing, however, to rapidly changing values, it was not possible for us to do all we would have wished in the matter of providing housing accommodation for our people. This demand for houses is always with us, and latterly there have been indications that we cannot hope to hold those prospective settlers who most need the services we have to offer at Papworth. I would go further, and say that unless further capital can be found to provide the necessary houses, the work of the Industries will be curtailed, if not indeed brought to a halt.

Like every other worth-while manufacturers in the country, we have tried, during the year under review, to develop what export markets are available to us.

Old agencies have been examined, and in the light of present requirements, new agencies appointed. At the request of the Government, special attention has been paid to the dollar market and for this, new designs have been created and many difficulties in connection with the supply of fittings overcome. Although we are making headway in this direction we have still to remember that the North American market is desperately competitive, and at this stage, it is wise, whilst being optimistic, not to over-estimate the eventual volume of business we can secure in this market. What is certain is, that those manufacturers who have the courage to go forward, will, in the end, reap the best reward.

In an age of design, we have not overlooked the importance of this factor, and a number of our products under the familiar *Pendragon* mark, have been completely stylized.

These include :

School, Institutional and Hospital Furniture, Papworth "All Electric" Mammoth Incubators, Travelling Goods.

Supported by new and attractive literature, these re-styled products are maintaining our reputation for high quality amongst purchasing authorities, retailers and the general public.

All this, of course, is complementary to that side of our activities which is connected with the various Supply Ministries from whom we have received (without any priority or favourable treatment) large contracts, which have been invaluable to us in helping to keep our settlers in full employment.

It was realized earlier in the year, that restrictions on the import of softwoods would have an adverse effect on the Woodworking Industries in general. An approach was therefore made to a number of the larger Motor Car manufacturers with a view to undertaking car and coach-body building.

This type of work is much more highly skilled than is usually required of a Joinery Shop, and it is, therefore, greatly to the credit of those concerned with this part of the work, that we were not only able to satisfy the exacting requirements of the

Corporation concerned, but by the end of the year, had stepped up production to 20 bodies per week.

We were greatly helped here by the fact that in our endeavour to make the Industries as self-contained as possible, we introduced a Metal-working Section into this department some 12 months ago. As this Metal-working Section can absorb a number of men from the Forces, who have already had excellent training in metal work, it is hoped, in due course, to develop this Section into a separate department, with outside contacts on the same lines as the Wood-working Departments.

During the year, agreement was reached with the Ministry of Labour to extend our scope and accept a wider range of the Disabled Personnel.

Looking back on 1948, remembering the new markets discovered and developed, the new contacts made, the prestige of *Pendragon* products consolidated and enhanced, I think it would be true to say that this satisfactory state of affairs is due, in no small measure, to the happy relationship which exists between Management and workers, and to the support and confidence which we have received from the Committee of Management.

THE SOCIAL LIFE

The social life at Papworth gets more diverse with each year that passes. As the Settlement grows new ideas are born, and new groupings of common interest take place ; some blossom and bring forth fruit, others die off from lack of interest or the requisite knowledge in their sponsors. In fact, we are all as busy as bees in a hive—all that Authority provides is the hive—the bees do the rest. Everything that comes forth may not be sweetness, but

that is life, and Papworth is but a microcosm of the world at large.

At Papworth we have our Parish Council, our Horticultural Society with its summer and autumn shows, our Nursing Association with its Women's Library, the Wesley Guild, W.E.A. Classes, the Dramatic Club, the Old Time Dance Club, the Billiards and Snooker League, the Youth Club, Red-Cross Cadets, Army Cadets and so forth. The various residential hostels have their social clubs and libraries and hardly a week passes without some dramatic or musical entertainment provided by friends of Papworth.

In particular we are indebted to the following for their generous help during 1948 :

R.A.F. Wyton Variety Group

Miss Alice Reynolds and "*Variety Highlights*"

The Huntingdon Music Makers for "*Yeoman of the Guard*"

Papworth Amateur Dramatic Society for "*The Wind and the Rain*"

The Army Kinema Corporation for ward film shows

The Wimpole Park Training College Dramatic Society for "*The School for Scandal*", "*Mr. Bolfrey*" and "*Claudia*" and the orchestra and Male Voice Choir for a Concert

Bottisham Village College Dramatic Society for "*The Poltergeist*"

Vauxhall Motors Male Voice Choir for a Hospital Concert

Huntingdon Dramatic Society for "*The Shop at Sly Corner*"

Joan Metcalfe for a Pantomime, and the Cambridge Brotherhood Band for Christmas morning carols.

T. C. M. Johnson.

R. R. TRAIL,
Medical Director.