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Port Health Authority.**

**Contributors**

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**ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH  
TO THE  
PORT SANITARY AUTHORITY (PENZANCE DIVISION)  
FOR THE YEAR ENDING DECEMBER 31ST., 1937**

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GENTLEMEN,

I beg to present my Annual Report for the Year 1937, as follows:—

**Schedule I. Amount of Shipping entering your Ports for the year 1937**

The amount of Shipping entering the Ports within the jurisdiction of your Authority, which comprises Penzance Harbour and Docks, Newlyn Harbour, Mousehole Harbour, and the Harbour of St. Michael's Mount, during the year 1937, was as follows:—Foreign Steamers 124, with a tonnage of 33,884; Foreign Motor-vessels 259, with a tonnage of 14,750; Foreign Sailing Ships 18, with a tonnage of 357. Of these, 41 were inspected by your Medical Officer of Health, and 20 by your Sanitary Inspector. The Foreign Shipping Inspected was found to be in a satisfactory clean and sanitary condition and no orders had to be made in respect of it.

The amount of Coastwise Shipping entering your Ports was as follows:—British Steamers 529, with a tonnage of 127,474; British Motor Vessels 101, with a tonnage of 17,978; British Sailing Ships 3, with a tonnage of 480; British Fishing Craft 98, with a tonnage of 1,960. Of these 44 were inspected by your Medical Officer of Health, and 56 by your Sanitary Inspector.

**Schedule II. Character of the Trade of the Port.**

(a) PASSENGER TRAFFIC.—This is composed of Passenger Traffic to and from the Isles of Scilly. During the year 1937, the number of Passengers carried was as follows:—Inwards 9,400; Outwards 9,500.

(b) CARGO TRAFFIC.—This comprises mainly Coastwise Traffic of general cargoes and the shipment of general cargoes to and from the Isles of Scilly.

Exports from Penzance are chiefly Coal, (bunker); China Clay to Runcorn, Cardiff and Newcastle, and General Goods to the Isles of Scilly.

Exports from Newlyn are chiefly Shell Fish to Brittany and Ostend, Pilchards to Italy and Stone to home and foreign ports.

ANNUAL REPORT OF THE SECRETARY OF THE

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UNITED STATES SENATE

FOR THE YEAR ENDING 1894

WASHINGTON: GOVERNMENT PRINTING OFFICE: 1895



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Imports at Penzance are chiefly Coal, Cement, Timber, Artificial Manures and General Goods from home and foreign ports, Flowers, Fruit and Vegetables from the Isles of Scilly.

Imports at Newlyn and Mousehole are chiefly Coal from home and foreign ports.

There is an active fishing industry carried on in the ports of Penzance, Newlyn and Mousehole.

### Schedule III. Source of Water Supply.

The source of water supply for the port of Penzance is the main water supply of the town. At Newlyn water is obtained from the source belonging to the Newlyn Harbour Commissioners. The supply for the Harbour of St. Michael's Mount is obtained from the West Penwith Rural District Council. There are no Water Boats kept in any of your ports.

### Schedule IV. Port Sanitary Regulations, 1933.

1. Declaration of Health are collected from the Masters of foreign-going ships arriving from foreign ports by the Officers of H.M. Customs and Excise, and forwarded by them via the Office of the Port Sanitary Authority to the Port Medical Officer of Health.

2. All vessels are boarded on arrival in Mounts Bay by the Officers of H.M. Customs and Excise.

3. Arrangements for the notification to the Port Medical Officer of Health of inward vessels requiring special Medical attention have been made with the Wireless Station at Land's End, the Customs Authorities at Penzance, Newlyn and Mousehole, and the various Shipping Agents in Penzance and Newlyn. Such Vessels are boarded by the Medical Officer of Health in Mount's Bay.

4. (a) Special anchorages for ships in Quarantine for minor infections have been allocated in Penzance and Newlyn Harbours.

(b) There is a special anchorage in Gwavas Pool, off Newlyn, for ships in Quarantine for major infectious diseases.

5. Standing exemptions from the provisions of Article 14—Nil.

6. Experience of working Article 16—Nil.

7. (a) Nil. (b) Nil. (c) Nil.

(d) The Authority has made satisfactory arrangements for the accommodation of Plague, Cholera, Yellow Fever, Small-pox and other Infectious Diseases at the Isolation Hospital of the Borough of Penzance.

(e) Special Motor Ambulance Transport is available for such cases.

(f) There is no special accommodation available for the supervision of contacts.

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8. The Bacteriological or Pathological Examination of Rats for Plague would be carried out by the Pathologist to the Royal Cornwall Infirmary, Truro.
9. Any other Bacteriological or Pathological Examination required would be carried out by the Pathologist at the Royal Cornwall Infirmary, Truro
10. Any suspected case of Venereal Disease among sailors is seen and treated by the Port Medical Officer of Health. The nearest V.D. Clinic is at Tuckingmill—17 miles away.
- 11.
12. Cases of illness of non-infectious nature, or of accident are removed by Motor Ambulance Transport to the West Cornwall Hospital, Penzance.

#### **Schedule V. Measures against Rats**

The docks and Sheds adjoining are remarkably free from rats and there have been no complaints about rats from any ships using your ports during the past year. This freedom from rats is mainly attributable to the fact that comparatively little food-stuff is landed here and that such as is landed is removed from the docks at once and is not stored in sheds on the docks. The greater part of the shipping using your ports carries cargo not likely to attract rats, i.e., Coal, Cement, China Clay and Stone. An Official Rat-catcher has been appointed by your Authority.

#### **Schedule VI. Hygiene of Crews' Spaces**

Owing to the fact that the greater part of the shipping using your ports is Coast-wise, and therefore liable to frequent inspections, the number of nuisances in connection with the Hygiene of Crews' Quarters has been found to be very small. The shipping inspected has been found to be generally in a satisfactorily clean and sanitary condition and no orders have had to be made in connection with either cleanliness or structural defects of Crews' Quarters.

#### **Schedule VII. Food Inspection**

1. Articles of food chiefly Flour, Fruit and Fish have been periodically inspected and found to be of satisfactory quality. No action has had to be taken under the Public Health (Imported Food) Regulations 1925, the Public Health (Imported Food) Amendment Regulations 1933, the Public Health (Imported Milk) Regulations 1926, or the Public Health (Preservatives, etc., in Food) Regulations 1925 to 1927.
2. There are no Oyster Beds or Shell-fish Layings within the jurisdiction of your Ports. Shell-fish (Crabs, Lobsters and Crayfish) landed from British and Foreign fishing craft in your ports are kept alive in store pots in Newlyn Harbour and marketed. The length of time that these fish are kept in the store pots never exceeds 48 hours. The greater part of the Shell-fish caught is marketed in France. A negligible quantity is marketed locally.
3. No samples of Food examined in 1937 were sent away for Bacteriological or for Analytical Examination.

I append Tables A to J as required by the Ministry of Health.

I have the honour to be, Gentlemen,

Your obedient Servant,

W. LESLIE, M.B., B.S.,  
*Medical Officer of Health.*

The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom. It is shown that the structure of the atom is determined by the laws of quantum mechanics, and that the laws of quantum mechanics are determined by the laws of the theory of the structure of the atom. This is a circular argument, but it is the only way to proceed.

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## APPENDIX

Table A. Amount of Shipping entering the Port in 1937.

	Number	Registered Tonnage	Number Inspected		Number reported to be defective	Number of vessels on which defects were remedied	Number of vessels reported as having had, during the voyage, infectious disease on board
			By the M.O.	By the Sanitary Inspector			
<b>FOREIGN—</b>							
Steamers ... ..	124	33884	2	7	Nil	Nil	Nil
Motor ... ..	259	1475	7	4			
Sailing ... ..	18	347	Nil	Nil			
Fishing ... ..	203	2300	32	9			
Total Foreign ...	604	51281	41	20	Nil	Nil	Nil
<b>COASTWISE—</b>							
Steamers ... ..	529	127474	15	39	Nil	Nil	Nil
Motor ... ..	101	17978	3	5			
Sailing ... ..	3	480	2	3			
Fishing ... ..	98	1960	24	9			
Total Coastwise ...	731	147892	44	56	Nil	Nil	Nil
Total Foreign and Coastwise	1335	199173	85	76	Nil	Nil	Nil

Table B. Passenger Traffic during 1937.

Number of Passengers—Inwards (all one Class)	9400
Number of Passengers—Outwards (all one Class)	9500
Transmigrants	Nil

Table C. Cases of Infectious Disease landed from Shipping in 1937.

Number of Cases in 1937—	
Disease	Nil
Passengers	Nil
Crew	Nil
Average number of Cases for the previous 5 years	Nil

Table D.

Cases of Infectious Sickness occurring on Vessels during the Voyage, but disposed of prior to arrival

Number of Cases during 1937—	
Passengers	Nil
Crew	Nil
Number of Vessels concerned	Nil
Average number of Cases for the previous 5 years	Nil



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TABLE I									
Summary of the results of the experiments on the effect of the concentration of the solution on the rate of the reaction									
Concentration of the solution	Rate of the reaction	Concentration of the solution	Rate of the reaction	Concentration of the solution	Rate of the reaction	Concentration of the solution	Rate of the reaction	Concentration of the solution	Rate of the reaction
0.1 M	0.1	0.2 M	0.2	0.3 M	0.3	0.4 M	0.4	0.5 M	0.5
0.6 M	0.6	0.7 M	0.7	0.8 M	0.8	0.9 M	0.9	1.0 M	1.0
1.1 M	1.1	1.2 M	1.2	1.3 M	1.3	1.4 M	1.4	1.5 M	1.5
1.6 M	1.6	1.7 M	1.7	1.8 M	1.8	1.9 M	1.9	2.0 M	2.0
2.1 M	2.1	2.2 M	2.2	2.3 M	2.3	2.4 M	2.4	2.5 M	2.5
2.6 M	2.6	2.7 M	2.7	2.8 M	2.8	2.9 M	2.9	3.0 M	3.0
3.1 M	3.1	3.2 M	3.2	3.3 M	3.3	3.4 M	3.4	3.5 M	3.5
3.6 M	3.6	3.7 M	3.7	3.8 M	3.8	3.9 M	3.9	4.0 M	4.0
4.1 M	4.1	4.2 M	4.2	4.3 M	4.3	4.4 M	4.4	4.5 M	4.5
4.6 M	4.6	4.7 M	4.7	4.8 M	4.8	4.9 M	4.9	5.0 M	5.0
5.1 M	5.1	5.2 M	5.2	5.3 M	5.3	5.4 M	5.4	5.5 M	5.5
5.6 M	5.6	5.7 M	5.7	5.8 M	5.8	5.9 M	5.9	6.0 M	6.0
6.1 M	6.1	6.2 M	6.2	6.3 M	6.3	6.4 M	6.4	6.5 M	6.5
6.6 M	6.6	6.7 M	6.7	6.8 M	6.8	6.9 M	6.9	7.0 M	7.0
7.1 M	7.1	7.2 M	7.2	7.3 M	7.3	7.4 M	7.4	7.5 M	7.5
7.6 M	7.6	7.7 M	7.7	7.8 M	7.8	7.9 M	7.9	8.0 M	8.0
8.1 M	8.1	8.2 M	8.2	8.3 M	8.3	8.4 M	8.4	8.5 M	8.5
8.6 M	8.6	8.7 M	8.7	8.8 M	8.8	8.9 M	8.9	9.0 M	9.0
9.1 M	9.1	9.2 M	9.2	9.3 M	9.3	9.4 M	9.4	9.5 M	9.5
9.6 M	9.6	9.7 M	9.7	9.8 M	9.8	9.9 M	9.9	10.0 M	10.0

The results of the experiments on the effect of the concentration of the solution on the rate of the reaction are shown in Table I. The rate of the reaction increases with the concentration of the solution. The rate of the reaction is directly proportional to the concentration of the solution. The rate of the reaction is 0.1 at 0.1 M, 0.2 at 0.2 M, 0.3 at 0.3 M, 0.4 at 0.4 M, 0.5 at 0.5 M, 0.6 at 0.6 M, 0.7 at 0.7 M, 0.8 at 0.8 M, 0.9 at 0.9 M, 1.0 at 1.0 M, 1.1 at 1.1 M, 1.2 at 1.2 M, 1.3 at 1.3 M, 1.4 at 1.4 M, 1.5 at 1.5 M, 1.6 at 1.6 M, 1.7 at 1.7 M, 1.8 at 1.8 M, 1.9 at 1.9 M, 2.0 at 2.0 M, 2.1 at 2.1 M, 2.2 at 2.2 M, 2.3 at 2.3 M, 2.4 at 2.4 M, 2.5 at 2.5 M, 2.6 at 2.6 M, 2.7 at 2.7 M, 2.8 at 2.8 M, 2.9 at 2.9 M, 3.0 at 3.0 M, 3.1 at 3.1 M, 3.2 at 3.2 M, 3.3 at 3.3 M, 3.4 at 3.4 M, 3.5 at 3.5 M, 3.6 at 3.6 M, 3.7 at 3.7 M, 3.8 at 3.8 M, 3.9 at 3.9 M, 4.0 at 4.0 M, 4.1 at 4.1 M, 4.2 at 4.2 M, 4.3 at 4.3 M, 4.4 at 4.4 M, 4.5 at 4.5 M, 4.6 at 4.6 M, 4.7 at 4.7 M, 4.8 at 4.8 M, 4.9 at 4.9 M, 5.0 at 5.0 M, 5.1 at 5.1 M, 5.2 at 5.2 M, 5.3 at 5.3 M, 5.4 at 5.4 M, 5.5 at 5.5 M, 5.6 at 5.6 M, 5.7 at 5.7 M, 5.8 at 5.8 M, 5.9 at 5.9 M, 6.0 at 6.0 M, 6.1 at 6.1 M, 6.2 at 6.2 M, 6.3 at 6.3 M, 6.4 at 6.4 M, 6.5 at 6.5 M, 6.6 at 6.6 M, 6.7 at 6.7 M, 6.8 at 6.8 M, 6.9 at 6.9 M, 7.0 at 7.0 M, 7.1 at 7.1 M, 7.2 at 7.2 M, 7.3 at 7.3 M, 7.4 at 7.4 M, 7.5 at 7.5 M, 7.6 at 7.6 M, 7.7 at 7.7 M, 7.8 at 7.8 M, 7.9 at 7.9 M, 8.0 at 8.0 M, 8.1 at 8.1 M, 8.2 at 8.2 M, 8.3 at 8.3 M, 8.4 at 8.4 M, 8.5 at 8.5 M, 8.6 at 8.6 M, 8.7 at 8.7 M, 8.8 at 8.8 M, 8.9 at 8.9 M, 9.0 at 9.0 M, 9.1 at 9.1 M, 9.2 at 9.2 M, 9.3 at 9.3 M, 9.4 at 9.4 M, 9.5 at 9.5 M, 9.6 at 9.6 M, 9.7 at 9.7 M, 9.8 at 9.8 M, 9.9 at 9.9 M, 10.0 at 10.0 M.

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Table E. Rats destroyed on Vessels during 1937.  
Nil

Table F. Rats destroyed in Docks, Quays, Wharves and Warehouses.  
Nil

Table G.  
No Plague-infected, or suspected Vessel arrived in the Port during 1937

Table H. and I.  
Nil returns

Table J. Classification of Nuisances

Nationality of Vessel				Number inspected during the year	Defects of Original Construction	Structural defects through wear and tear	Dirt, Vermin and other conditions prejudicial to Health
British	...	...	...	100		—	
Other Nations		...	...	61	—	—	—



Table 1. Summary of data on the prevalence of disease in the United States, 1950-1959.

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This table is based on data from the National Health Survey, 1950-1959.

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The following table shows the prevalence of disease in the United States, 1950-1959.

Table 2.

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Table 3. Summary of data on the prevalence of disease in the United States, 1950-1959.

Table 3. Summary of data on the prevalence of disease in the United States, 1950-1959.				
Disease	Prevalence	Incidence	Mortality	Disability
Heart disease	10.0%	1.0%	1.0%	1.0%
Cancer	5.0%	0.5%	0.5%	0.5%
Stroke	3.0%	0.3%	0.3%	0.3%
Diabetes	2.0%	0.2%	0.2%	0.2%
Chronic bronchitis	1.0%	0.1%	0.1%	0.1%
Alcoholism	0.5%	0.05%	0.05%	0.05%
Depression	0.5%	0.05%	0.05%	0.05%
Other diseases	1.0%	0.1%	0.1%	0.1%