

Total cell-counts: Red and white cells, 11; hæmoglobin estimations, 11; differential counts, 14. Van den Burgh's test for bile pigments, 2; iodophilia, 1; malaria, 1. Kahn test, 1; sugar-tolerance test, 5 specimens.

Miscellaneous swabs, including specimens of pus: Total examined, 124. Reports issued from smears and cultural findings: Staphylococcal, 22; streptococcal, 5; *B. coli*, 1; *B. welchii*, 1; *B. pyocyaneus*, 6; tubercle bacilli, 1. Nasal and throat swabs for K.L.B. carriers, 79; positive for K.L.B., 1.

Venereal examinations: Total examined, 21. Urethral (positive), 7; vaginal (positive), 4; cervical (positive), 1; urines (positive), 1. Cultural examinations were made in 4 examinations, with 1 positive result.

Puncture fluids: Total examined, 29. C.S.F., 6; pleural fluid, 15; fluid from abdomen, 5; fluid from knee, 4.

Leprosy: Number examined, 5. Nasal smears, 1; throat smears, 1; blister-fluid, 1; sections and nodular scrapings, 2 (both positive).

Animal inoculations: Number done, 4. Food poisoning, 1; puncture-fluid, 1; virulence tests, 2.

Vaccines prepared: Auto-genous, 7; stock, 3.

Tissue for sections: Number forwarded in block, 2; number examined, Migrants, 4.

Glands from theatre for filarial worms, 2.

Ringworm, 4.

Stomach contents for examination: Fractional test, 1; single test, 1.

Number of samples of beer, &c., for estimation of alcohol totalled 20.

Number of times summoned to High Court as witness in proceedings, 2.

Copra analysis: Total number of tests for oil content, moisture, and free fatty acids were 13.

Analysis of milk for fat, solids, ash, and water, 6. Water analysis, 0.

Number of simple chemical tests for arsenic, antimony, and such metallic poisons (Marsh tests), 4; opium and its compounds, 3; general analysis (simple).

Experimental research: Value of coconut-milk for power alcohol production; value of cacao-juice for power alcohol, acetic acid, and table vinegar; wet spraying of banana crops and moth-prevention, cacao fermentation.

Report of the X-ray Department, Government Hospital, Apia, 1929.

X-ray examinations, 90; assorted films taken, 86; dental films, 2; screenings, 51; barium-meal examinations, 4.

EDUCATION DEPARTMENT.

The functions of this Department are proceeding satisfactorily. The Grade II schools at the end of the year numbered thirty-one—twenty-five London Missionary Society, four Methodist Mission, one Seventh Day Adventist Mission, and one Government—with a total attendance of 2,767 pupils.

The schools in Upolu have been well attended, but those in Savai'i have been more affected by political activity. Parents of the children have been absent from their island, with the result that the attendance at schools fell considerably in certain districts owing to children being obliged to attend to the home duties and plantations. Towards the close of the year, however, there was evinced a marked interest in all schools in Samoa, and the roll numbers increased to an extent that additional teachers were required.

Refresher courses were held at Malifa as usual in the month of January. The successful Native candidates from the New Zealand Proficiency Examination were in attendance, and when the course was completed were appointed as teachers in the village schools. The refresher course outlined a general programme of work for the schools for the year. The course was attended by Native teachers from the Grade II schools and senior Native teachers from the training-schools and district schools. Badges and certificates to all who qualified were presented by the Administrator at the close of the class.

Malifa Training-school.—This school is now the largest school operating and is wholly under the control of well-trained Native teachers. The progress of the children has been marked, and the work submitted for the Chief Inspector of New Zealand schools during his annual inspection was highly commended. Malifa School forms the training-ground for the future teachers for the Grade II mission schools.

Malifa Senior School.—This school, acting as a college for the whole group, builds on the educational foundation established first in the Grade II schools, and later in the schools of Vaipouli or Avele, through which boys must pass before qualifying for Malifa. It aims specially at the development of efficient workers in primary occupations, and the provision ultimately of competent leaders in the community. In this school the pupils are resident and are obliged to work after school hours on the large plantations of banana, taro, and breadfruit, which have been greatly extended, and have supplied all the necessary food throughout the year. An increased attendance has occurred owing to the admission of the more proficient girls from the Training-school. Thirteen pupils entered for the New Zealand Proficiency Examination; ten were successful, the remaining three gaining competency certificates.

Ifi Ifi School (European).—The attendance at this school shows an increase. The work of the school has been consistently good, as evidenced in results of the annual examination. Twelve candidates were presented for and passed the New Zealand Proficiency Examination, and of this