1958-1959

ANNUAL REP SET OF THE WASSERMANN LABORATORY Summer 9, 1958 FOR THE PURCAL YEAR PURIOR JUST 30, 1969

GREEVIEUR C. STUART

ASSECTANT DIRECTOR

During the calendar year 1957 the Wassermann Inboratory performed 468,605 tests. A total of 50,400 specimens were tested for prezerital purposes and 35,793 for prematal purposes. Out-of-State premarktal certificates were issued to 1166 applicants.

This year, one-hundred and thirty laboratories participated in the Evaluation of Serclogic Tests for Sychilis. Sixty of these laboratories were approved to perform standard tests, and sixty-two were approved for rapid tests for blood denor purposes only. Only eight laboratories were unable to meet the required standards.

The Wessermann Laboratory participated again this year in the National Evaluation of Serologic Tests conducted by the U.S. Fublic Health Service and performed qualitative and quantitative Hinton tests on two-hundred matched samples of serum. The results showed that both the sensitivity and specificity ratings of the Hinton test were satisfactory, and compared very favorably with tests performed in other State laboratories.

The laboratory served as control for the Hinton test in the intrastate evaluation conducted by the Texas State Health Department. One-hundred and seventy-eight tests were performed in this evaluation.

The comparative study in cooperation with the Division of Venereal Diseaces on opecimens from patients who present diagnostic problems was continued using the Reiter Protein Complement Fixation test.

Both the Reiter Protein Complement Fixation tests and Quantitative Minton tests were performed on S49 specimens in this study.

Conferences, demonstrations, and practical work in the serology of syphilic were given to resident-pathologists from Boston hospitals, students from the Harvard School of Public Health, and hospital technologists.

Milk samples submitted by the Massachusetts Medical Milk Commission have been tested monthly for Brucella Abortus Agglutinins.

Material submitted from all parts of the State for rables diagnosis consisted of heads from desertic and wild animals. Altogether two-hundred and twenty-nine specimens were received, and examinations proved all to be nonrabid.

The laboratory also cooperated in the study of Equine Encephalitis and rabies in bats. Two-hundred and seventeen bats were examined and found to be negative for both diseases.



SUMMARY

During the year 1955, the work in the Wassermann Laboratory continued at about the same rate: 463,605 tests were performed. Two-hundred and twenty-nine specimens were received for rabics diagnosis, and all proved to be nonrabid.

at times the diagnosis of rables is most difficult due to the presence of material in the brain which somewhat resembles Negri bedies, or when no Negri bedies can be found in the initial examination. Recent studies have shown that the fluorescent antibody technique has overcome these difficulties, and is a rapid, accurate method of rables diagnosis.

Since the anti-rables fluorescein conjugate is available commercially, it is recommended that equipment for this test be purchased as soon as possible.

The work on the use of the Reiter Protein Complement Fixation Test as an adjunct to the routine testing procedures in this laboratory has been continued.

WASSERMANN LABORATORY

1958-1959

Tosts and Examinations

TARIF I.

Kind of		1954	1955	1956	1957	1958
Specimen		69	ess	60	C/P	wa
		1955	1956	1937	1950	1959
		الدين الإسك	27,00	ة الواتر منه	2770	3.7 J J
	Number of Spacinens Tests	530,229	512,403	492,586	463,099	453,053
	Harton	273,048	481,056	468,420	44,0,394	1,34,302
	Quantitative Minton	10,075	10,498	8,772	9,130	9,356
Blood	Davies-Hinton Mero Floculation	11,554	7,719	5,206	4,067	4,887
The same of	*Brucelle Abortus Agglutination Clanders Complement Firstica	35,539	13,121	10,177	9,505	4,505 3
	odiffication of the other	ورد		white	s.dF	
Spinal	!haber of Specimens	9,369	8,872	3,507	8,692	9,175
Fluid	Tosts	ADDOD	09014	ವ್ಯಾರರ್ಷ	Ofork	29767
	Davies-Hinton	9,369	8,872	8,807	-8,692	9,175
	Globulin	4,675	3,728	3,486	2,732	2,979
	Total Protein	4,284	3,420	3,136	2,592	2,753
Rabies	Number of Specimens	216	176	198	207	229
Diegnosis*	Tests	67/	201	300	anet	200
	Impressions Sections	216	176 158	198	207 185	229 194
	Animal Inoculations	212	166	189	202	222
						-645
	Total Tests	549,184	528,913	508,579	477,759	468,605
	Total Specimens	539,814	521,451	501,591	771,998	462,457

^{*}Disgnostic Examinations for Division of Livestock Disease Control