aug. 4 WASSERMANN LABORATORY Genevieve O. Stuart, Senior Eactoriologist GENERAL INFORMATION The volume of work in this laboratory for the past five years remains at about the same level. This year 549,184 tests were porformed. Hospitals and other institutions submitted 330,057 specimens for Hinton tests and private physicians submitted 151,924 specimens. Of the latter number 51,97% tosts were performed for premarital purposes and 45,157 for prematal purposes. Out-of-state premarital certificates were issued to 1374 applicants. The material submitted for rabies examination differed somewhat from previous years inasmuch as a relatively large number of small wild animals was received. However, all of the specimens showed negative results. In the intrastate evaluation for serologic tests for syphilis, seventy-seven hospital laboratories were approved for tests for blood donor purposes and forty-three laboratories for standard serologic tests for sychilis. Eleven technicians from hospitals participating in this program were given instruction. Starting in January the U. S. Venereal Disease Research Laboratory offered their facilities to the States for performing Troponemal Immobilization Tests. Seventeen specimens were processed through this laboratory and reported as follows: nine reactive; four nonreactive; and four contaminated. The significance of the discrepancy of results between this test and the Hinton test cannot be determined by any data which we have. In the interstate serologic evaluation conducted by the U.S. Venereal Disease Research Laboratory two hundred matched specimens of serum were tested. This laboratory was deemed inadequate on the basis of conflicting reports on four specimens-all were high dilutions of syphilitic serum. Since the reactivity of the Hinton test as performed in this laboratory was almost 50% more sensitive (reactive) than any of the other author tests these results are by no means unreasonable. Moreover, the use of any test of such low reactivity would constitute a great disservice to the clientele which we serve. - 28 -

WASSERMAIN LABORATORY

Geneviave O. Stuart, Senior Recteriologist

SUMMARY

During the year this laboratory performed 549,184 tests. Over 490,000 of these specimens were submitted for serologic tests for syphilis. Through the cooperation of the U.S. Venereal Disease Research Laboratory at Chambles, Georgia, the Treponemal Immobilization test was added to the routine procedures.

Specimens for evaluation of serologic tests for syphilis were sent to one hundred and twenty-three laboratories throughout the State. Instruction in the techniques of the serology of syphilis was given to technicians participating in these evaluations.

This year two hundred and sixteen heads of animals were examined for rabies. A relatively large number of small wild animals was received. However, all of the material proved to be non-rabid.

In cooperation with the U. S. Department of Agriculture and the Massachusetts Division of Idvestock Disease Control an exhibitated program for the eradication of brucellosis (blood testing of cattle) was started during March of this year.

Instruction in the techniques of the serology of syphilis was given separately to the following groups: eight nurses from the Boston College School of Mursing; two students from the Harvard School of Public Health; three resident pathologists from Boston hospitals; and five student technologists from the Faulkner Hospital.

Mik samples submitted by the Medical Milk Commission of Boston were examined monthly for the presence of brucella antibodies.

A new program for the eradication of brucellesis in cattle was started in March. The U.S. Department of Agriculture cooperating with the State Division of Livestock Disease Control supplied the personnel and materials for blood testing of approximately 13,000 cattle.

Continued work on the Troponemal Lumma Adheronce Test has indicated its lack of specificity. However, a slight modification has been proposed, but further study of this test was intermeted by the resignation of a junior bacteriologist who was assigned to perform this test.

MASSERMANN LABORATORY

Tests and Examinations

TABLE I.

					-	THE RESERVE AND ADDRESS OF THE PARTY OF THE	NAME OF TAXABLE PARTY.
Kind of		1950	1.951	1952	1953	1954	14.26
Specimen		Co.	-		49		100
		1951.	1952	1953	1954	1955	1526
	Section Again also compressed and additional before the contract and additional and additional addi	AT THE REAL PROPERTY OF THE PERSON OF			A MANAGEMENT & STOR	A STANSON OF THE PARTY OF THE P	WILLIAM WAS IN ANY
	Munber of Specimens	533,393	534,324	538,513	522,122	530,229	Elle Sage
	Tests Hinton	170 006	100 001	155 5760	160 CVERY	1520 1316	1000
	Quantitativo Hinton	14,115	482,534	485,750	167,977 3,747	10,075	· const
Blood	- Quantitative Kaka	13,529	08.800	0,770	⊃ह <i>१६</i> ५€	700013	232
	Davies-Minton Micro Flocculation	14,147	34,457	12,641		11,554	1719
	*Brucella Abortus Agglutination	24,895	29,039	31,116	33,391	35,539	2001
	Glanders Complement Fixation	12	8	6	12	13	9
	**Rapid Hinton	7,243	100		-	- 400	100
Spinal	Number of Specimens	11,054	10,242	9,820	9,843	9,369	3893
Fluid	Tests	2 w 214	-ord leigh	A BOKIS	29.0389	18205	100
	Wassermann	8,033		esi	60		1666
	Davies-Hinton	11,054	10,242	9,820	9,843	9,369	3272
	Globuliu	100	100	3,578	4,491	4,675	37.8
	Total Protein	00	-	2,565	4,292	4,284	3410
Rables	Number of Specimens	5.00	7 00	167	203	216	176
Diagnosis ^u	Testa	189	150	167	203	230	10
errenore.	Impressions	189	150	167	203	216	176
	Sections	1.80	344	161	188	199	120
	Animal Inoculations	181	14.7	163	195	žíź	16%
		a browning to	W	************			
Path.&	Number of Specimens Tests	6	4	•			
Examine-	Animal Inoculations	4	3				24-3
tions	Cultures	5	2	-	-		223
	Smears			-	-		10-12
	Sections	1.	1				73
	Esta I Desta	rid and	FAR 63.7	P (1 2 m f 2 m	512 (1)		8,913
	Total Tests Total Specimens	566,574 544,647		554,967 548,500	541,646 532,168	549, 184 539, 814 52	1,451

*Diagnostic Examinations for Division of Livestock Disease Control **Tests-for State Blood-Bank