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CONSOLIDATED ANNUAL REPORT

on

State and Territorial Public Health Laboratories Fiscal Year 1967



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
NATIONAL COMMUNICABLE DISEASE CENTER
Atlanta, Georgia 30333

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on State and Territorial
Public Health Laboratories

Fiscal Year 1967

For Administrative Use Only

DECEMBER 1968

A Collaborative Compilation
by the
Association of State and Territorial
Public Health Laboratory Directors
and the
Laboratory Program
National
Communicable Disease Center
Health Services and Mental Health Administration
Public Health Service
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Atlanta, Georgia 30333

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FY 1966 - 1968

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INTRODUCTION

INTRODUCTION

The 1967 Consolidated Annual Report is fourth in a series of publications which describe State and territorial public health laboratories in quantitative terms. Input data were supplied by the State and territorial laboratory directors. The information was compiled and published by the Management Consultation Unit, Laboratory Consultation and Development Section, Laboratory Division, of the National Communicable Disease Center.

Data were received from forty-five States, Puerto Rico, and the Virgin Islands. Thirty-five of these participants reported for the fiscal year ending June 30, 1967; while, the other twelve responded with data for the 1967 calendar year.

Significant differences in format from the information presented in the fiscal year 1966 report include: (1) the addition of information concerning pesticides; (2) the addition of information pertaining to proficiency testing programs under Medicare; (3) the omission of detailed reporting on facilities, on utilization and development of data processing complexes, and on other peripheral areas where little change is noted from one year to the next.

The appearance of an asterisk (*) indicates that information was not reported for that entry. A dash (-) in the columns of statistical data represents a report with no activity for that particular item. Footnotes are placed either at the end of a section or after every few tables as seems appropriate.

Totals for the many columns of statistical data are not shown in order to avoid invalid conclusions where individual items were not reported by one or more States. Definitions of examinations and specimens have been prepared for guidance in keeping and reporting data to be compiled in the Annual Report. Improvements from year to year in these definitions as well as experience in using them have made laboratory statistics more accurate and meaningful. However, application of the definitions is difficult in some instances. The reader should keep this in mind when making comparisons between States.

Although the information contained in each Consolidated Annual Report is more accurate and complete than in the preceding Report, it may contain errors in interpretation as well as in transcribing and calculating quantities. The principal reason for this is the differences in format used by laboratories for recording and reporting workload information. Another reason is differences in definition in those areas not covered by common definitions specified for this report. Reporting of positive results obtained from PKU examinations falls within this category.

At this time, it is anticipated that the workload data presentation will be much briefer for fiscal year 1968; and, hopefully, some computer processing will be applied to the fiscal year 1969 data.

SECTION I
SUMMARY TABLES

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO LABORATORY PROGRAM SERVICES

	Laboratory Program Service			
	Diagnostic Services		Research	
	Personnel %	Expenditures %	Personnel %	Expenditures %
Ala.	*	90.0	*	10.0
Alaska	98.0	99.0	1.0 L	-
Ariz.	98.8	*	1.2	*
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	94.6	97.5	-	-
Conn.	54.1	50.0 (a) L	1.9	3.0
Del.	100.0 H	*	-	-
D.C.	*	*	*	*
Fla.	84.5	87.0	14.0	8.0
Ga.	95.0	95.0	1.0	1.0
Hawaii	100.0	100.0 H	- (b)	-
Ida.	80.0	*	10.0	*
Ill.	88.5	*	2.1	*
Ind.	90.0	*	-	*
Ia.	76.0	86.0	14.7	11.0
Kans.	96.55	*	-	-
Ky.	93.0	91.9	-	8.0
La.	97.6	*	-	*
Me.	94.1	90.0	-	-
Md.	46.0	75.0	-	5.0
Mass.	*	*	*	*
Mich.	52.0	*	12.0	*
Minn.	91.0	86.7	5.1	6.2
Miss.	98.9	93.0	-	-
Mo.	90.0	*	-	*
Mont.	98.0	90.0	-	-
Nebr.	98.5	97.0	-	-
Nev.	88.2	80.0	-	-
N.H.	100.0	-	-	-
N.J.	79.3	80.0	18.6	18.0
N.M.	98.2	99.4	-	-
N.Y.	40.0 (c) L	55.0 (c)	19.0 H	35.0 H
N.C.	54.2	55.0	-	-
N.D.	*	99.7	*	0.3
Ohio	94.0	87.7	3.0	4.0
Okla.	*	*	*	*
Ore.	92.0	*	-	*
Pa.	80.3	70.0	13.6	25.0
R.I.	100.0 (d)	97.0	- (d)	2.0
S.C.	99.0	*	-	-
S.D.	*	*	*	*
Tenn.	94.7	98.5	2.1	0.3 L
Tex.	85.0	85.0	1.0 (e)	1.0
Utah	97.0	99.9	-	-
Vt.	96.0	93.6	-	-
Va.	95.0	95.0	-	-
Wash.	87.2	75.0	-	-
W. Va.	90.0	*	5.0	*
Wisc.	79.0	70.0	12.0	20.0
Wyo.	100.0	100.0	-	-
P.R.	89.3	88.0	5.5	5.0
V.I.	*	*	*	*

TABLE 1-1. PERCENTAGE OF PERSONNEL AND EXPENDITURES ALLOTTED TO
LABORATORY PROGRAM SERVICES
(Continued)

	Laboratory Program Service					
	Production of Biologics		Intrastate Laboratory Improvement		Other	
	Personnel %	Expenditures %	Personnel %	Expenditures %	Personnel %	Expenditures %
Ala.	-	-	*	-	-	-
Alaska	-	-	1.0	1.0	-	-
Ariz.	-	*	-	*	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	5.4	2.5	-	-
Conn.	1.2	2.0	4.4	10.0	38.4	35.0 (f)
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	-	1.5	5.0	-	-
Ga.	<1.0	0.6	4.0	3.4	-	-
Hawaii	- (b)	- (b)	- (b)	- (b)	-	-
Ida.	-	-	10.0	*	-	-
Ill.	5.2	*	4.2	*	-	-
Ind.	-	*	10.0	*	-	-
Ia.	-	-	9.3	3.0	-	-
Kans.	-	-	3.45	*	-	-
Ky.	-	-	7.0	0.1	-	-
La.	1.8	*	0.6	*	-	-
Me.	-	-	5.9	10.0	-	-
Md.	-	-	2.0	5.0	52.0	15.0
Mass.	*	*	*	*	*	*
Mich.	34.0	*	2.0	*	-	-
Minn.	-	-	3.9	7.1	-	-
Miss.	-	-	1.1	7.0	-	-
Mo.	-	*	10.0	*	-	-
Mont.	-	-	2.0	10.0	-	-
Nebr.	-	-	1.5	3.0	-	-
Nev.	-	-	11.8	20.0	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	2.1	2.0	-	-
N.M.	-	-	1.8	0.6	-	-
N.Y.	-	-	6.0	10.0	35.0 (g)	-
N.C.	-	-	1.9	2.5	43.9 (h)	42.5 (h)
N.D.	*	-	*	-	-	-
Ohio	-	-	3.0	8.3	-	-
Okla.	*	*	*	*	*	*
Ore.	-	*	8.0	*	-	-
Pa.	-	-	6.1	5.0	-	-
R.I.	-	-	- (d)	1.0	-	-
S.C.	-	-	1.0	*	-	-
S.D.	*	*	*	*	*	*
Tenn.	2.5	0.2	0.7	1.0	-	-
Tex.	8.0	8.0	6.0 (e)	6.0	-	-
Utah	-	-	3.0	0.1	-	-
Vt.	-	-	4.0	-	-	6.4
Va.	-	-	5.0	5.0	-	-
Wash.	-	-	12.8	25.0	-	-
W. Va.	-	-	5.0	*	-	-
Wisc.	-	-	9.0	10.0	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	5.2	7.0	-	-
V.I.	*	*	*	*	-	-

TABLE 1-2. RANKING OF STATES BY EXPENDITURES AND BY EXPENDITURES PER CAPITA (I)

Rank	State	Expenditures	State	Per Capita Expenditures
1	N.Y. ^H	\$ 5,048,957	V.I.	1.160 ^H
2	Mich.	3,581,808	Alaska	0.970
3	Md.	1,812,334	Conn.	0.529
4	Ill.	1,790,194	Md.	0.502
5	Conn.	1,520,741	Vt.	0.477
6	Wisc.	1,314,945	Mich.	0.428
7	Fla.	1,097,548	Hawaii	0.416
8	N.J.	1,053,802	R.I.	0.403
9	Ga.	1,040,718	Ida.	0.367
10	La.	946,812	Wisc.	0.316
11	N.C.	899,629	Iowa	0.309
12	Ala.	899,258	N.M.	0.279
13	Tenn.	897,402	N.Y.	0.277
14	Iowa	848,984	La.	0.263
15	Pa.	808,837	Utah	0.257
16	Tex.	697,800	Ala.	0.256
17	Ohio	661,200	Nev.	0.253
18	Kans.	550,832	Kans.	0.245
19	Minn.	535,720	N.D.	0.242
20	Ky.	507,002	Del.	0.234
21	Va.	498,626	Ga.	0.233
22	Ind. (j)	473,866	Tenn.	0.231
23	Wash.	449,350	Ariz.	0.191
24	P.R.	442,716	Fla.	0.185
25	R.I.	362,000	N.C.	0.180
26	S.C.	336,399	Mont.	0.171
27	Colo.	331,938	Colo.	0.168
28	Ore.	310,812	W. Va.	0.168
29	Ariz.	308,972	Ill.	0.167
30	W. Va.	301,818	P.R.	0.166
31	Miss.	301,080	Ky.	0.159
32	Hawaii	298,982	Ore.	0.159
33	N.M.	284,893	N.J.	0.153
34	Mo.	264,721	Wash.	0.151
35	Alaska	263,828	Minn.	0.150
36	Utah	258,865	Me.	0.146
37	Ida.	254,504	S.C.	0.130
38	Vt.	193,000	Miss.	0.129
39	N.D.	157,588	Va.	0.111
40	Me.	143,638	Ind. (j)	0.096
41	Mont.	120,005	Wyo.	0.094
42	Del.	119,693	Nebr.	0.072
43	Nev.	114,827	Pa.	0.070
44	Nebr.	104,639	Tex.	0.065
45	V.I.	57,438	Ohio	0.064
46	Wyo. ^L	30,800	Mo.	0.059 ^L

TABLE 1-3. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS

	Total Specimens	Total Exams	Examinations:	
			Diagnostic Bacteriology	Sanitary Bacteriology
Ala.	498,230	1,131,193	344,831	157,804
Alaska	63,902	88,817	37,966	14,152
Ariz.	143,081	220,539	36,156	38,180
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	381,081	469,860	258,565	38,658
Conn.	568,695	1,026,000	431,080	66,990
Del.	115,167	136,522	16,639	9,718
D.C.	*	*	*	*
Fla.	H 1,675,828 (1)	2,173,748 H	646,783 H	215,392
Ga.	829,061	1,193,745	304,769	36,197
Hawaii	109,797	255,376	154,788	28,111
Ida.	*	135,646	32,730	19,858
Ill.	681,000 (1)	1,023,470	196,519	124,205
Ind.	266,350	379,589	76,928	54,132
Ia.	376,591	567,276	136,649	84,993
Kans.	190,224	253,901	37,566	43,490
Ky.	269,572	362,970	47,070	46,494
La.	*	941,945	151,333	196,595
Me.	121,424	151,842	40,167	64 L
Md.	615,077	982,426	328,342	106,229
Mass.	*	*	*	*
Mich.	* (m)	1,542,055	628,474	118,415
Minn.	282,504 (1)	406,500	66,993	-
Miss.	463,090	715,064	161,967	139,950
Mo.	194,907 (1)	243,739	27,077	61,601
Mont.	65,000 (1)	92,783	13,923	16,441
Nebr.	128,836	170,323	5,647 L	13,702
Nev.	71,516	136,898	43,604	26,155
N.H.	111,413	151,288	49,305	-
N.J.	* (m)	859,925	110,780	51,367
N.M.	*	157,221	35,384	22,140
N.Y.	* (m)	437,044	30,422	39,406
N.C.	669,546	885,041	136,591	74,932
N.D.	81,074 (1)	167,977	93,130	44,821
Ohio	488,648	691,919	133,586	53,291
Okla.	*	*	*	*
Ore.	* (m)	503,386	46,733	16,317
Pa.	191,120 (1)	336,008	55,331	101,796
R.I.	162,730 (1)	251,453	31,689	1,143
S.C.	*	541,892	62,507	21,615
S.D.	*	*	*	*
Tenn.	695,746 (1)	846,484	201,632	78,728
Tex.	976,272	1,488,447	277,293	368,566 H
Utah	175,260 (1)	257,804	26,730	26,731
Vt.	93,200	122,587	36,318	8,194
Va.	429,447	556,028	160,550	34,600
Wash.	85,298 (1)	161,008	65,045	13,447
W. Va.	75,200 (1)	157,644	95,704	30,034
Wisc.	724,075	854,322	122,901	52,661
Wyo.	L 41,794 (1)	46,636	27,334	7,176
P.R.	*	279,200	42,315	50,656
V.I.	L 29,100 (1)	34,303 L	8,686	3,691

TABLE 1-3. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Examinations:			
	Mycology	Parasitology	Virology	Syphilis Serology
Ala.	2,710	59,440	12,822	373,455
Alaska	123	666	141 (k) L1	22,848
Ariz.	4,301	463	3,645	63,281
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	225	287	582 (k)	130,741
Conn.	18,002 H.	33,733	5,093	118,245
Del.	-	959	312 (k)	41,074
D.C.	*	*	*	*
Fla.	8,876	183,297 H.	13,554	815,070 H.
Ga.	1,028	92,063	8,620	496,185
Hawaii	4,380	5,342	4,953	34,835
Ida.	455	631	3,743	41,181
Ill.	1,251	37,084	9,164	407,964
Ind.	2,394	18,628	7,488 (k)	144,984
Ia.	2,233	1,139	18,593	228,063
Kans.	375	3,943	-	118,806
Ky.	2,000	3,090	3,743	139,372
La.	624	98,441	41,633	344,570
Me.	1,628	125	244 (k)	55,113
Md.	1,149	23,119	3,093	160,716
Mass.	*	*	*	*
Mich.	6,543	*	10,987	378,693
Minn.	3,280	8,874	7,928	212,582
Miss.	*	15,276	1,504 (k)	219,825
Mo.	3,046	101	3,355	80,988
Mont.	170	74	397	34,613
Nebr.	31 L2	416	1,979 (k)	108,802
Nev.	150	362	-	32,468
N.H.	- L1	376	713 (k)	46,321
N.J.	867	1,381	205,560 A.	254,437
N.M.	298	756	4,576	50,139
N.Y.	3,517	436	20,695	160,483 *
N.C.	1,132	15,655	7,211	371,405
N.D.	*	230	1,028 (k)	*
Ohio	938	1,764	9,063	170,161
Okla.	*	*	*	*
Ore.	228	1,180	1,879	59,768
Pa.	143	798	34,479	46,294
R.I.	356	4,022	293 (k)	43,311
S.C.	633	30,584	1,763	355,746
S.D.	*	*	*	*
Tenn.	2,042	6,460	8,217	458,141
Tex.	3,076	63,285	138,331	344,263
Utah.	201	1,849	1,554	97,205
Vt.	100	225	471	39,020
Va.	650	21,190	4,319	207,675
Wash.	1,471	1,100	9,652	40,651
W. Va.	633	4,702	2,496	-
Wisc.	12,818	8,818	8,700	234,793
Wyo.	- L1	32 L	-	10,915 L
P.R.	233	1,566	2,477	83,562
V.I.	96	7,336	-	9,321

TABLE 1-3. SUMMARY OF LABORATORY SPECIMENS AND EXAMINATIONS
(Continued)

	Examinations:				
	All Other Serology	Clinical Chemistry	PKU	Sanitary Chemistry	All Other Exams
Ala.	18,870	2,464	78,031	69,074	11,692
Alaska	639	-	-	1,402	10,880
Ariz.	13,813	26,855	4,481	18,243	11,121
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	2,731	-	20,045	16,264	1,762
Conn.	31,148	15,975	90,710	194,510	20,514
Del.	145	7,688	18,461	-	41,526
D.C.	*	*	*	*	*
Fla.	7,026	41,796	55,140	81,350	105,464
Ga.	23,614	4,861	32,621	30,761	163,026
Hawaii	2,316	149	-	18,723	1,779
Ida.	7,357	6,164	10,108	9,226	4,193
Ill.	59,558	-	69,965	105,503	12,257
Ind.	20,293	-	-	54,742	-
Ia.	35,463	2,710	3,586	47,462	6,385
Kans.	18,502	126	18,178	10,265	2,650
Ky.	37,013	20,225	43,596	13,999	6,368
La.	11,681	-	61,817	14,090	21,161
Me.	3,741	10,239	29,542	-	10,979
Md.	33,677	53,199	57,050	65,607	150,245
Mass.	*	*	*	*	*
Mich.	17,777	196,028	106,018	58,033	21,087
Minn.	34,462	-	69,979	-	2,402
Miss.	7,499	75,457	-	74,533	19,053
Mo.	9,075	1,450	44,249	12,615	182
Mont.	6,259	-	9,351	6,855	4,700
Nebr.	23,030	-	-	16,716	-
Nev.	1,683	9,870	13,165	-	9,441
N.H.	-	17,675	18,312	-	18,586
N.J.	72,164	5,091	90,182	62,647	5,449
N.M.	4,895	-	14,702	22,489	1,842
N.Y.	16,701	17,357	86,965	12,439	48,623
N.C.	9,380	39,142	86,319	22,072	121,202
N.D.	3,922	-	13,177	6,685	4,984
Ohio	28,902	35,583	197,298	54,700	6,633
Okla.	*	*	*	*	*
Ore.	22,598	*	354,683	*	*
Pa.	22,788	10,474	62,061	-	1,844
R.I.	252	65,500	61,746	-	43,141
S.C.	7,320	10,645	22,126	5,728	23,225
S.D.	*	*	*	*	*
Tenn.	22,716	2,037	23,393	11,272	31,846
Tex.	23,781	-	116,492	149,887	3,473
Utah	18,114	2,867	-	27,584	54,969
Vt.	11,047	9,907	-	7,419	9,886
Va.	25,218	1,537	80,072	13,439	6,778
Wash.	14,957	595	8,818	5,269	3
W. Va.	760	11,168	11,633	-	484
Wisc.	44,912	156,309	-	36,066	176,344
Wyo.	1,087	44	-	-	48
P.R.	2,524	43,807	-	3,803	48,257
V.I.	519	2,931	922	801	-

TABLE 1-4. PERCENTAGE OF EXAMINATIONS PERFORMED BY TYPE OF EXAMINATION

	Percent of Total Examinations:						
	Diagnostic Bacteriology	Sanitary Bact. & Chem.	Mycology & Paras.	Virology	Serology	Clinical Chemistry	Other
Ala.	30.5	20.1	5.5	1.1	34.7	7.1	1.0
Alaska	42.8	17.5	0.9	0.2	26.4	-	12.2
Ariz.	16.4	25.6	2.2	1.6	35.0	14.2	5.0
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	55.0	11.7	0.1 L	0.1	28.4	4.3 (n)	0.4
Conn.	42.0	25.5	5.0	0.5	14.6	10.4	2.0
Del.	12.2	7.1	0.7	0.2	30.2	19.2	30.4
D.C.	*	*	*	*	*	*	*
Fla.	29.8	13.7	8.8	0.6	37.8	4.4	4.9
Ga.	25.5	5.6	7.8	0.7	43.6	3.1	13.7
Hawaii	60.6	18.3	3.8	1.9	14.6	0.1	0.7
Ida.	24.1	21.4	0.8	2.8	35.8	12.0	3.1
Ill.	19.2	22.4	3.8	0.9	45.7	6.8 (n)	1.2
Ind.	20.3	28.7	5.5	2.0	43.5	-	-
Ia.	24.1	23.3	0.6	3.3	46.5	1.1	1.1
Kans.	14.8	21.2	1.7	-	54.1	7.2	17.0
Ky.	13.0	16.7	1.4	1.0	48.6	17.6	1.7
La.	16.1	22.4	10.5 H2	4.4	37.8	6.6 (n)	2.2
Me.	26.5	-	1.1	0.2	38.8	26.2	7.2
Md.	33.4	17.5	2.5	0.3	19.8	11.2	15.3
Mass.	*	*	*	*	*	*	*
Mich.	40.8	11.4	0.4	0.7	25.7	19.6	1.4
Minn.	16.5	-	3.0	1.9	60.8	17.2 (n)	0.6
Miss.	22.7	30.0	2.1	0.2	31.8	10.5	2.7
Mo.	11.1	30.4	1.3	1.4	37.0	18.7	0.1
Mont.	15.0	25.1	0.3	0.4	44.0	10.1	5.1
Nebr.	3.3 L	17.8	0.3	1.2	77.4 H	-	-
Nev.	31.9	19.1	0.4	-	24.9	16.8	6.9
N.H.	32.6	-	0.2	0.5	30.6	23.8	12.3
N.J.	12.9	13.2	0.3	23.9	38.0	11.1	0.6
N.M.	22.5	28.4	0.7	2.9	35.0	9.3 (n)	1.2
N.Y.	7.0	11.9	0.9	4.7	40.5	23.9	11.1
N.C.	15.4	11.0	1.9	0.8	43.0	14.2	13.7
N.D.	55.4	30.7	0.1	0.6	2.3	7.9	3.0
Ohio	19.3	15.6	0.4	1.3	28.8	33.6	1.0
Okla.	*	*	*	*	*	*	*
Ore.	9.3	3.2	0.3	0.4	16.4	70.4 (n)	-
Pa.	16.5	30.3	0.3	10.3	20.5	21.6	0.5
R.I.	12.6	0.5 L	1.7	0.1	17.3	50.6	17.2
S.C.	11.5	5.1	5.8	0.3	67.0	6.0	4.3
S.D.	*	*	*	*	*	*	*
Tenn.	23.8	10.6	1.0	1.0	56.8	3.0	3.8
Tex.	18.6	34.9 H	4.5	9.3	24.7	7.8 (n)	0.2
Utah	10.4	21.1	0.8	0.6	44.7	1.1	21.3
Vt.	29.6	12.7	0.3	0.4	40.8	8.1	8.1
Va.	28.9	8.6	3.9	0.8	41.9	14.7	1.2
Wash.	40.4	11.6	1.6	6.0	34.6	5.8	-
W. Va.	60.7 H	19.0	3.4	1.6	0.5 L	14.5	0.3
Wisc.	14.4	10.4	2.5	1.0	32.7	18.3	20.7
Wyo.	58.6	15.4	0.1	-	25.7	0.1	0.1
P.R.	15.2	19.5	0.6	0.9	30.8	15.7	17.3
V.I.	25.3	13.1	21.7 H1	-	28.7	11.2	-

47/47
 44/47
 12
 47/47
 43/47
 47/47
 46/47
 n=PKU only
 done 4/47

TABLE 1-5. RATIOS OF SPECIMENS TO EXAMINATIONS AND EXAMINATIONS TO POPULATION

X

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	Population	No. Specimens	No. Exams	Ratio of Specimens to Exams	Ratio of Exams to Population
Ala.	3,517,000	498,230	1,131,193	1:2.3	1:3.1
Alaska	272,000	63,902	88,817	1:1.4	1:3.1
Ariz.	1,618,000	143,081	220,539	1:1.5	1:7.3
Ark.	1,955,000	*	*	*	*
Cal.	18,918,000	*	*	*	*
Colo.	1,977,000	381,081	469,860	1:1.2	1:4.2
Conn.	2,875,000	568,695	1,026,000	1:1.8	1:2.8
Del.	512,000	115,167	136,522	1:1.2	1:3.8
D.C.	808,000	*	*	*	*
Fla.	5,941,000	1,675,828	2,173,748	1:1.3	1:2.7 ^L
Ga.	4,459,000	829,061	1,193,745	1:1.4	1:3.7
Hawaii	718,000	109,797	255,376	1:2.3	1:2.8
Ida.	694,000	*	135,646	*	1:5.1
Ill.	10,722,000	681,000	1,023,470	1:1.5	1:10.5
Ind.	4,918,000	266,350	379,589	1:1.4	1:13.0
Ia.	2,747,000	376,591	567,276	1:1.5	1:4.8
Kans.	2,250,000	190,224	253,901	1:1.3	1:8.9
Ky.	3,183,000	269,572	362,970	1:1.3	1:8.8
La.	3,603,000	*	941,945	*	1:3.8
Me.	983,000	121,424	151,842	1:1.3	1:6.5
Md.	3,613,000	615,077	982,426	1:1.6	1:3.7
Mass.	5,383,000	*	*	*	*
Mich.	8,374,000	*	1,542,055	*	1:5.4
Minn.	3,576,000	282,504	406,500	1:1.4	1:8.8
Miss.	2,327,000	463,090	715,064	1:1.5	1:3.3
Mo.	4,508,000	194,907	243,739	1:1.3	1:18.5
Mont.	702,000	65,000	92,783	1:1.4	1:7.6
Nebr.	1,456,000	128,836	170,323	1:1.3	1:8.5
Nev.	454,000	71,516	136,898	1:1.9	1:3.3
N.H.	681,000	111,413	151,288	1:1.3	1:4.5
N.J.	6,898,000	*	859,925	*	1:8.0
N.M.	1,022,000	*	157,221	*	1:6.5
N.Y.	18,258,000	*	437,044	*	1:41.8 ^{H (mostly vernal lake)}
N.C.	5,000,000	669,546	885,041	1:1.3	1:5.6
N.D.	650,000	81,074	167,977	1:2.1	1:3.9
Ohio	10,305,000	488,648	691,919	1:1.4	1:14.9
Okla.	2,458,000	*	*	*	*
Ore.	1,955,000	*	503,386	*	1:3.9
Pa.	11,582,000	191,120	336,008	1:1.8	1:34.5
R.I.	898,000	162,730	251,453	1:1.5	1:3.6
S.C.	2,586,000	*	541,892	*	1:4.8
S.D.	682,000	*	*	*	*
Tenn.	3,883,000	695,746	846,484	1:1.2	1:4.6
Tex.	10,752,000	976,272	1,488,447	1:1.5	1:7.2
Utah	1,008,000	175,260	257,804	1:1.5	1:3.9
Vt.	405,000	93,200	122,587	1:1.3	1:3.3
Va.	4,507,000	429,447	556,028	1:1.3	1:8.1
Wash.	2,980,000	85,298	161,008	1:1.9	1:18.5
W. Va.	1,794,000	75,200	157,644	1:2.1	1:21.4
Wisc.	4,161,000	724,075	854,322	1:1.2	1:4.9
Wyo.	329,000	41,794	46,636	1:1.1	1:7.1
P.R.	2,668,000	*	279,200	*	1:9.6
V.I.	49,500	29,100	34,303	1:1.2	1:1.4

TABLE 1-6. RATIOS OF PERSONNEL TO POPULATION

	Population	Total Personnel	Prof. & Tech. Personnel	Ratio of Total Personnel to Population	Ratio of Prof. & Tech. Personnel To Population
Ala.	3,517,000	144	82	1:24,424	1:42,890
Alaska	272,000	21	9	1:12,952 L ₁	1:30,222
Ariz.	1,618,000	41	29	1:39,463	1:55,793
Ark.	1,955,000	*	*	*	*
Cal.	18,918,000	*	*	*	*
Colo.	1,977,000	38	28	1:52,026	1:70,607
Conn.	2,875,000	146	92	1:19,692	1:31,250
Del.	512,000	19	12	1:26,947	1:42,667
D.C.	808,000	*	*	*	*
Fla.	5,941,000	173	96	1:34,341	1:61,885
Ga.	4,459,000	134	62	1:33,276	1:71,919
Hawaii	718,000	34	20	1:21,118	1:35,900
Ida.	694,000	36	27	1:19,278	1:25,704
Ill.	10,722,000	192	99	1:55,844	1:108,303
Ind.	4,918,000	68	40	1:72,324	1:122,950
Ia.	2,747,000	75	49	1:36,627	1:56,061
Kans.	2,250,000	42	26	1:53,571	1:86,538
Ky.	3,183,000	65	36	1:48,969	1:88,417
La.	3,603,000	178	65	1:20,242	1:55,431
Me.	983,000	17	10	1:57,824	1:98,300
Md.	3,613,000	222	144	1:16,275	1:25,090
Mass.	5,383,000	*	*	*	*
Mich.	8,374,000	350 (o)	188 (o)	1:23,926	1:44,543
Minn.	3,576,000	70	44	1:51,086	1:82,273
Miss.	2,327,000	43	24	1:54,116	1:96,958
Mo.	4,508,000	32	25	1:140,875 L	1:180,320
Mont.	702,000	16	7	1:43,875	1:100,286
Nebr.	1,456,000	21	12	1:69,333	1:121,333
Nev.	454,000	17	14	1:26,706	1:32,429
N.H.	681,000	12	8	1:56,750	1:85,125
N.J.	6,898,000	140	93	1:49,271	1:74,172
N.M.	1,022,000	35	18	1:29,200	1:56,778
N.Y.	18,258,000	518	265	1:35,247	1:68,898
N.C.	5,000,000	107	67	1:46,729	1:74,627
N.D.	650,000	*	*	*	*
Ohio	10,305,000	95	58	1:108,474	1:177,672
Okla.	2,458,000	*	*	*	*
Ore.	1,955,000	36	25	1:54,306	1:78,200
Pa.	11,582,000	101	56	1:114,673	1:206,821
R.I.	898,000	41	27	1:21,902	1:33,259
S.C.	2,586,000	62	36	1:41,710	1:71,833
S.D.	682,000	*	*	*	*
Tenn.	3,883,000	117	71	1:33,188	1:54,690
Tex.	10,752,000	107	71	1:100,486	1:151,437
Utah	1,008,000	33	17	1:30,545	1:59,294
Vt.	405,000	22	13	1:18,409	1:31,154
Va.	4,507,000	78	50	1:57,782	1:90,140
Wash.	2,980,000	42	24	1:70,952	1:124,167
W. Va.	1,794,000	38	20	1:47,211	1:89,700
Wisc.	4,161,000	168	112	1:24,768	1:37,152
Wyo.	329,000	8	4	1:41,125	1:82,250
P.R.	2,668,000	87	58	1:30,667	1:46,000
V.I.	49,500	8	5	1:6,188 L ₂	1:9,900

TABLE 1-7. RATIOS OF EXPENDITURES TO PERSONNEL

*

	Total Expenditures	Total Personnel	Prof. & Tech. Personnel	Expenditures Per Employee \$	Expenditures Per Prof. & Tech. Employee \$
Ala.	899,258	144	82	6,244.85	10,966.56
Alaska	263,828	21	9	12,563.24	29,314.22
Ariz.	308,972	41	29	7,535.90	10,654.21
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	331,938	38	28	8,735.21	11,854.93
Conn.	1,520,741	146	92	10,416.03	16,529.79
Del.	119,693	19	12	6,299.63	9,974.42
D.C.	*	*	*	*	*
Fla.	1,097,548	173	96	6,344.21	11,432.79
Ga.	1,040,718	134	62	7,766.55	16,785.77
Hawaii	298,982	34	20	8,793.59	14,949.10
Ida.	254,504	36	27	7,069.56	9,426.07
Ill.	1,790,194	192	99	9,323.93	18,082.77
Ind.	473,866 (p)	68	40	6,968.62	11,846.65
Ia.	848,984	75	49	11,319.79	17,326.20
Kans.	550,832	42	26	13,115.05 H	21,185.85
Ky.	507,002	65	36	7,800.03	14,083.39
La.	946,812	178	65	5,319.17	14,566.34
Me.	143,638	17	10	8,449.29	14,363.80
Md.	1,812,334	222	144	8,163.67	12,585.65
Mass.	*	*	*	*	*
Mich.	3,581,808	350 (o)	188 (o)	10,233.74	19,052.17
Minn.	535,720	70	44	7,653.14	12,175.45
Miss.	301,080	43	24	7,001.86	12,545.00
Mo.	264,721	32	25	8,272.53	9,749.56
Mont.	120,005	16	7	7,500.31	17,143.57
Nebr.	104,639	21	12	4,982.81	8,719.92
Nev.	114,827	17	14	6,754.53	8,201.93
N.H.	*	12	8	*	*
N.J.	1,053,802	140	93	7,527.16	11,331.20
N.M.	284,893	35	18	8,139.80	15,827.39
N.Y.	5,048,957	518 H	265	9,747.02	19,052.67
N.C.	899,629	107	67	8,407.75	13,427.30
N.D.	157,588	*	*	*	*
Ohio	661,200	95	58	6,960.00	11,400.00
Okla.	*	*	*	*	*
Ore.	310,812	36	25	8,633.67	12,432.48
Pa.	808,837	101	56	8,008.29	14,443.52
R.I.	362,000	41	27	8,829.27	13,407.41
S.C.	336,399	62	36	5,425.79	9,344.42
S.D.	*	*	*	*	*
Tenn.	897,402	117	71	7,670.10	12,639.46
Tex.	697,800	107	71	6,521.50	9,828.17
Utah	258,865	33	17	7,844.39	15,227.35
Vt.	193,000	22	13	8,772.73	14,846.15
Va.	498,626	78	50	6,392.64	9,972.52
Wash.	449,350	42	24	10,698.81	18,722.92
W. Va.	301,818	38	20	7,942.58	15,090.90
Wisc.	1,314,945	168	112	7,827.05	11,740.58
Wyo.	30,800	8 L	4	3,850.00 L	7,700.00
P.R.	442,716	87	58	5,088.69	7,633.03
V.I.	57,438	8	5	7,179.75	11,487.60

FOOTNOTES. SECTION I

- (a) Includes Forensic Toxicology and Crime Detection Laboratory.
- (b) Minimal amount.
- (c) Includes Sanitary and Analytical Chemistry (17 percent of Personnel, 25 percent of Expenditures).
- (d) No persons specifically assigned to research or laboratory improvement program. Many of the staff are involved in those areas but not specifically assigned.
- (e) Done by some of staff on part-time basis. No one assigned full-time.
- (f) Environmental Chemistry and Microbiology.
- (g) Represents all other administrative, maintenance and support service.
- (h) This represents the Administrative Section and Environmental Sciences Section which do not fall in the category of diagnostic services.
- (i) States not in Table: Arkansas, California, D.C., Massachusetts, New Hampshire, Oklahoma, and South Dakota.
- (j) Includes salaries and travel only. Other operating expenses are not broken down by programs and are not available.
- (k) Rabies only.
- (l) Estimated total. Where reporting of specimens was essentially complete, an estimate was made for the missing figures.
- (m) Where too many specimen figures were omitted for an estimate of the total to be made, the State is shown as not reporting. However, partial reporting was as follows: Michigan, 401,168 specimens; New Jersey, 190,020; New York, 175,909; Oregon, 159,434.
- (n) PKU only.
- (o) Budgeted positions figure used as filled positions totals not available.
- (p) Includes salaries and travel only.

SECTION II
NEW PROGRAMS OF CURRENT INTEREST

TABLE 2-1. PROFICIENCY TESTING PROGRAMS UNDER MEDICARE AS OF JUNE 30, 1967

	Proficiency Testing Programs Available:			# Labs. Participating in Programs	Disciplines Covered by Programs:					
	State-operated Program	State Approved CAP	Program AAB		Other	Clin. Chem.	Hema- tology	Immuno- hema.	Micro- Serology	bio- logy
Ala.	(a)	X	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	X	X	-	-	75	X	X	X	-	X
Conn.	X	-	-	-	*	X	X	-	X	X
Del.	-	-	X	-	3	X	X	-	X	X
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	X	X	X	-	110	X	X	X	X	X
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	X	X	-	-	13	X	X	X	X	-
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	X	X	X	X (b)	*	X	X	X	X	X
Ind.	X	X	-	-	11	-	-	-	X	-
Ia.	X	X	X	-	126 (c)	X	-	-	X	X
Kans.	X	-	-	-	109	-	-	-	X	-
Ky.	-	X	-	-	7	X	X	-	X	X
La.	-	-	-	-	-	-	-	-	-	-
Me.	X	-	-	-	30	X	-	X	-	-
Md.	X	-	-	-	132	X	-	-	X	X
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	X	X	X	-	29 (d)	X	X	-	X	X
Minn.	X	-	-	-	162	X	-	-	X	-
Miss.	X	-	-	-	50 (e)	X	X	X	X	-
Mo.	X	X	X	-	219	X	X	X	X	X
Mont.	X	X	-	-	52 (f)	X	X	X	X	-
Nebr.	-	X	-	-	2	X	X	X	X	X
Nev.	X	X	X	-	28	X	X	X	-	X
N.H.	-	X	-	-	1	X	X	-	X	X
N.J.	X (g)	-	-	-	*	X	X	X	X	-
N.M.	X	-	-	-	88	-	-	-	X	-
N.Y.	X	-	-	-	124	X	X	X	X	X
N.C.	(h)	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	X	X (i)	X (i)	-	96	X	X	-	X	X
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	X	X	-	-	9	X	X	X	X	X
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	X (j)	-	-	-	16	X	-	-	X	X
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	X	X	X	-	66 (k)	X	X	X	X	X
Utah	X	X	-	X	*	X	X	X	X	X
Vt.	-	X	-	-	*	*	*	*	*	*
Va.	X	X (l)	X (l)	-	141	-	-	-	X	-
Wash.	X	X	-	-	(m)	X	X	X	X	X
W. Va.	(n)	-	-	-	-	-	-	-	-	-
Wisc.	X (o)	-	-	-	15	X	X	X	X	X
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	X	-	-	-	47	X	X	X	X	X
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-2. PROFICIENCY TESTING PROGRAMS: CLINICAL CHEMISTRY

	# of Labs. Participating:			# of Shipments per Lab.:			# of Specimens per Shpt.:			Type Specimens sent by State Lab.
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala.	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	63	35	-	2	4	-	6	2	-	Serum
Conn.	50	-	-	1 (p)	-	-	3-5	-	-	Serum
Del.	-	-	3	-	-	4	-	-	2	-
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	110	77	33	1	4	5	2	*	*	Bld. Sugar hgb.
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	-	-	4	-	-	6-7	-	-
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	78/41	367	367	2-4/2	*	*	4	*	*	Blood/Serum (q)
Ind.	-	-	-	-	-	-	-	-	-	-
Ia.	67	-	-	4	-	-	3-4	-	-	Lyo. Serum
Kans.	-	-	-	-	-	-	-	-	-	-
Ky.	-	7	-	-	4	-	-	8	-	-
La.	-	-	-	-	-	-	-	-	-	-
Me.	30	-	-	4	-	-	5	-	-	Serum
Md.	45 (r)	-	-	7	-	-	1	-	-	Serum
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	-	3	26	-	4	4	-	2 (s)	*	-
Minn.	162	-	-	12	-	-	2	-	-	*
Miss.	50	-	-	12	-	-	1	-	-	Lyophilized
Mo.	-	22	5	-	4	4	-	4	*	-
Mont.	-	(t)	-	-	-	-	-	-	-	-
Nebr.	-	2	-	-	*	-	-	*	-	-
Nev.	12	(u)	(u)	1	*	*	3	*	*	Bld. Glucose
N.H.	-	1	-	-	*	-	-	*	-	-
N.J.	127	-	-	11	-	-	2-4	-	-	Serum
N.M.	-	-	-	-	-	-	-	-	-	-
N.Y.	96	-	-	1-2	-	-	2-5	-	-	8 Types (v)
N.C.	-	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	65	-	-	1	-	-	5	-	-	Aqueous (w)
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	-	9	-	-	4	-	-	2	-	-
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	16	-	-	1	-	-	6	-	-	Com'l. dehydr. plasma
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	-	40	*	-	*	*	-	*	*	-
Utah	-	2 (x)	-	-	3	-	-	2	-	-
Vt.	-	*	-	-	*	-	-	*	-	-
Va.	-	-	-	-	-	-	-	-	-	-
Wash.	-	13	-	-	2	-	-	4	-	-
W. Va.	-	-	-	-	-	-	-	-	-	-
Wisc.	12	-	-	12	-	-	20	-	-	Serum
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	43	-	-	*	-	-	*	-	-	Serum aque.
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-3. PROFICIENCY TESTING PROGRAMS: HEMATOLOGY

	# of Labs. Participating:			# of Shipments per Lab.:			# of Specimens per Sht.:			Type Specimens sent by State Lab.
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala.	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	63	35	-	1	4	-	6	2	-	Hemolysate
Conn.	50	-	-	1 (p)	-	-	3	-	-	Hemolysate & Stnd.
Del.	-	-	3	-	-	4	-	-	2	-
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	-	77	33	-	4	5	-	*	*	-
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	-	-	4	-	-	6-7	-	-
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	-	367	367	-	*	*	-	*	*	-
Ind.	-	-	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-	-	-
Ky.	-	7	-	-	4	-	-	8	-	-
La.	-	-	-	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-	-	-	-
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	-	3	25	-	4	4	-	1	*	-
Minn.	-	-	-	-	-	-	-	-	-	-
Miss.	50	-	-	12	-	-	1	-	-	Liquid
Mo.	-	22	4	-	4	4	-	2	*	-
Mont.	-	(t)	-	-	-	-	-	-	-	-
Nebr.	-	2	-	-	*	-	-	*	-	-
Nev.	12	-	-	1	-	-	6	-	-	3 types (y)
N.H.	-	1	-	-	*	-	-	*	-	-
N.J.	118	-	-	1	-	-	3	-	-	Hemolysates & Whl.Bld.
N.M.	-	-	-	-	-	-	-	-	-	-
N.Y.	106	-	-	1	-	-	2-4	-	-	Hgb. differentials
N.C.	-	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	52	-	-	1	-	-	5	-	-	Hemolysates
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	-	9	-	-	4	-	-	2	-	-
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	-	-	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	-	40	*	-	*	*	-	*	*	-
Utah	-	2	-	-	3	-	-	2	-	-
Vt.	-	*	-	-	*	-	-	*	-	-
Va.	-	-	-	-	-	-	-	-	-	-
Wash.	100	13	-	3	2	-	4-5	2	-	Hemolysate
W. Va.	-	-	-	-	-	-	-	-	-	-
Wisc.	14	-	-	6	-	-	7	-	-	Hgb. & diff. smears
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	43	-	-	*	-	-	*	-	-	Hemolysate, blood
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-4. PROFICIENCY TESTING PROGRAMS: IMMUNOHEMATOLOGY

	# of Labs. Participating:			# of Shipments per Lab.:			# of Specimens per Sht.:			Type Specimens Sent by State Lab.
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala.	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	-	35	-	-	4	-	-	2	-	-
Conn.	-	-	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	-	77	33	-	4	5	-	*	*	-
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	-	1	-	-	4	-	-	6-7	-	-
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	524	367	367	2	*	*	3	*	*	Blood
Ind.	-	-	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-	-	-
Me.	30	-	-	4	-	-	5	-	-	Whole Blood, serum
Md.	-	-	-	-	-	-	-	-	-	-
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-	-	-
Miss.	50	-	-	12	-	-	1	-	-	Liquid
Mo.	-	*	-	-	1	-	-	2	-	-
Mont.	-	(t)	-	-	-	-	-	-	-	-
Nebr.	-	2	-	-	*	-	-	*	-	-
Nev.	7	-	-	1	-	-	3	-	-	Rh & Blood group
N.H.	-	-	-	-	-	-	-	-	-	-
N.J.	166	-	-	10	-	-	2-3	-	-	Plasma & Packed cells
N.M.	-	-	-	-	-	-	-	-	-	-
N.Y.	91	-	-	1	-	-	4	-	-	ABO Bld. Grp., Rh typing
N.C.	-	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	-	-	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	-	9	-	-	1	-	-	2	-	-
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	-	-	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	-	15	*	-	*	*	-	*	*	-
Utah	-	2	-	-	3	-	-	2	-	-
Vt.	-	*	*	-	*	*	-	*	*	-
Va.	-	-	-	-	-	-	-	-	-	-
Wash.	-	13	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-	-	-
Wisc.	15	-	-	3	-	-	4	-	-	Whole Blood
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	3	-	-	*	-	-	*	-	-	*
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-5. PROFICIENCY TESTING PROGRAMS: SEROLOGY

	# of Labs. Participating:			# of Shipments per Lab.:			# of Specimens per Shpt.:			Type Specimens Sent by State Lab.
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala.	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-	-	-
Conn.	44 (z)	-	-	1 (aa)	-	-	10	-	-	Serum
Del.	-	-	3	-	-	10	-	-	10	-
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	110	77	33	4	4	5	10	*	*	Serum
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	12	-	-	1/tech.	-	-	10	-	-	Serum
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	525	-	-	2-4	-	-	5	-	-	Serum
Ind.	11	-	-	12	-	-	8	-	-	*
Ia.	79	-	-	10	-	-	23	-	-	Serum
Kans.	109	-	-	10	-	-	10	-	-	Serum
Ky.	-	7	-	-	4	-	-	8	-	-
La.	-	-	-	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-	-	-
Md.	34	-	-	1	-	-	10	-	-	Serum
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	68	-	-	4	-	-	10	-	-	Serum
Minn.	47	-	-	12	-	-	12	-	-	Serum
Miss.	131	-	-	5	-	-	10	-	-	Liquid
Mo.	219	-	-	*	-	-	*	-	-	Liquid Serum
Mont.	5	-	-	2	-	-	10	-	-	Serum
Nebr.	-	2	-	-	*	-	-	*	-	-
Nev.	-	-	-	-	-	-	-	-	-	-
N.H.	-	1	-	-	*	-	-	*	-	-
N.J.	257	-	-	10	-	-	11 (bb)	-	-	Serum
N.M.	88	-	-	10	-	-	10	-	-	STS
N.Y.	86	-	-	1	-	-	3-10	-	-	6 types (cc)
N.C.	-	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	80	-	-	10	-	-	5	-	-	Pooled Sera
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	9	-	-	2	-	-	15	-	-	Serum
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	16	-	-	2	-	-	20	-	-	Serum
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	45	-	-	4	-	-	5	-	-	Serum
Utah	30	-	-	10	-	-	5	-	-	Sera
Vt.	-	*	*	-	*	*	-	*	*	-
Va.	141	-	-	75	-	-	15	-	-	Serum
Wash.	125	-	-	6	-	-	10	-	-	Serum
W. Va.	-	-	-	-	-	-	-	-	-	-
Wis.	14	-	-	10	-	-	10	-	-	Serum
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	43	-	-	*	-	-	*	-	-	Serum
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-6. PROFICIENCY TESTING PROGRAMS: MICROBIOLOGY

	Number of Labs Participating			Number of Shipments per Lab			Number of Specimens per Shpt.			Type Specimen Sent by State Lab.
	State	CAP	AAB	State	CAP	AAB	State	CAP	AAB	
Ala.	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*	*
Colo.	63	35	-	-	4	-	-	1	-	-
Conn.	37	-	-	2	-	-	5	-	-	culture
Del.	-	-	3	-	-	3	-	-	4	-
D.C.	*	*	*	*	*	*	*	*	*	*
Fla.	-	77	33	-	4	5	-	*	*	-
Ga.	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-	-	-
Ill.	407/154	367	367	2-4/2	*	*	5/2	*	*	TB smear/culture
Ind.	-	-	-	-	-	-	-	-	-	-
Ia.	31	-	-	3	-	-	3-4	-	-	smears, cultures
Kans.	-	-	-	-	-	-	-	-	-	-
Ky.	-	7	-	-	4	-	-	8	-	-
La.	-	-	-	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-	-	-
Md.	24	-	-	3	-	-	2	-	-	culture
Mass.	*	*	*	*	*	*	*	*	*	*
Mich.	-	2	13	-	4	*	-	3	*	-
Minn.	-	-	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-	-	-
Mo.	-	2	3	-	1	6	-	1	2	-
Mont.	-	-	-	-	-	-	-	-	-	-
Nebr.	-	2	-	-	*	-	-	*	-	-
Nev.	9	-	-	1	-	-	3	-	-	stained slide
N.H.	-	1	*	-	*	*	-	*	*	-
N.J.	-	-	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-	-	-
N.Y.	86	-	-	1	-	-	2-15	-	-	6 types (dd)
N.C.	-	-	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*	*	*
Ohio	62/62	-	-	1	-	-	5	-	-	Gen. Cultures/enterics
Okla.	*	*	*	*	*	*	*	*	*	*
Ore.	8	8	-	3	2	-	2	1	-	Pure culture
Pa.	*	*	*	*	*	*	*	*	*	*
R.I.	16	-	-	1	-	-	10	-	-	slides/cultures
S.C.	-	-	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-	-	-
Tex.	30	-	-	2	-	-	4-6	-	-	cultures for ID
Utah	-	1	-	-	3	-	-	1-2	-	-
Vt.	-	*	*	-	*	*	-	*	*	-
Va.	-	-	-	-	-	-	-	-	-	-
Wash.	-	13	-	-	1	-	-	2	-	-
W. Va.	-	-	-	-	-	-	-	-	-	-
Wisc.	15 (ee)	-	-	4	-	-	5	-	-	slants
Wyo.	-	-	-	-	-	-	-	-	-	-
P.R.	41	-	-	*	-	-	*	-	-	cultures/smears
V.I.	-	-	-	-	-	-	-	-	-	-

TABLE 2-7. LABORATORIES LOSING CERTIFICATION UNDER MEDICARE

	Number of Labs Losing Certification During Year	Reasons for Losing Certification
Ala.	1	Defined not independent lab.-Private physician lab.
Alaska	-	-
Ariz.	-	-
Ark.	*	*
Cal.	*	*
Colo.	-	-
Conn.	1	Failed examination for non-degree directors.
Del.	-	-
D.C.	*	*
Fla.	1	Lab ceased operation.
Ga.	-	-
Hawaii	-	-
Ida.	-	-
Ill.	-	-
Ind.	1	Lab closed.
Ia.	-	-
Kans.	-	-
Ky.	-	-
La.	-	-
Me.	-	-
Md.	-	-
Mass.	*	*
Mich.	-	-
Minn.	-	-
Miss.	-	-
Mo.	-	-
Mont.	-	-
Nebr.	-	-
Nev.	-	-
N.H.	-	-
N.J.	-	-
N.M.	-	-
N.Y.	15	Inadequate supervision & qual. control; insufficient qualified technical personnel.
N.C.	-	-
N.D.	*	*
Ohio	1	Discontinued business.
Okla.	*	*
Ore.	-	-
Pa.	*	*
R.I.	-	-
S.C.	-	-
S.D.	*	*
Tenn.	-	-
Tex.	-	-
Utah	-	-
Vt.	-	-
Va.	-	-
Wash.	-	-
W. Va.	-	-
Wisc.	-	-
Wyo.	-	-
P.R.	-	-
V.I.	-	-

FOOTNOTES: TABLES 2-1 - 2-7.

- (a) Approval of laboratories not in jurisdiction of State Laboratory, but is handled by another Bureau.
- (b) Illinois Association of Clinical Laboratories, Chek-Laboratories, Inc., Sunderman Proficiency Test Services, Computer Analysis of Laboratory Data. 367 Laboratories are participating in these programs.
- (c) Information on State-approved programs not known since there is no requirement to notify State Health Department of participation.
- (d) Independent laboratories participating in State-approved programs as of 6/30/67.
- (e) This is the average number of laboratories participating. (Under Medicare only 3 of these laboratories are required to participate.)
- (f) These 52 laboratories participate in STS. Five independent laboratories operate under Medicare regulations.
- (g) Full activities in Hematology will begin March 1968. The program in Microbiology commences in May 1968.
- (h) Handled by Medicare Section, North Carolina State Board of Health.
- (i) State-approved program is supplementary.
- (j) Programs in hematology and immunohematology did not begin until after 6/30/67.
- (k) At least 100 more are enrolled in non-medicare program.
- (l) These had no programs in effect as of 6/30/67.
- (m) Total number of laboratories participating in these programs is unknown, as some laboratories participate in programs of their own.
- (n) This program scheduled for institution in FY 1967-68.
- (o) Procedures covered by this program include cytology in addition to those checked.
- (p) More if unsatisfactory.
- (q) For PKU-Guthrie and Quantitative.
- (r) The figures in this Section represent the first phase of the total evaluation.
- (s) 8 determinations.
- (t) No information known except that some laboratories are participating.
- (u) Inadequate feedback to determine participation in each of the proficiency programs.
- (v) Glucose, urea nitrogen, uric acid, cholesterol, total protein, electrolyte, enzymes, PBI.
- (w) Represents Glucose, primary standards. In addition, the following other testing was reported: Kit I, one shipment of 2 specimens (serum) was sent to 62 laboratories; and Kit II, one shipment of 2 specimens (serum) was sent to 73 laboratories.
- (x) In addition, one laboratory was participating in another program, and received 4 shipments of 5 specimens each.
- (y) Hematocrit, hemoglobin, slide differential.
- (z) 57 serologists participating.
- (aa) Second shipment for limited number of individuals.
- (bb) Includes one known.
- (cc) Syphilis, bacterial agglutinations, infectious mononucleosis, rheumatoid arthritis, C-reactive protein, antistreptolysin O.

FOOTNOTES: TABLES 2-1 - 2-7.
(Continued)

- (dd) Bacteriology: Smears (Gc), Category II and Category III ; Mycobacteriology; Parasitology; Mycology.
- (ee) In addition, 14 laboratories participate in cytology program (6 shipments, 3 specimens per shipment, type of specimen was slides).

TABLE 2-8. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES

	Year Present Lab Completed	Lab Space Increased FY 67. Net sq. ft. added	Planning Now in Progress (FY 68)	Planning Anticipated FY 69	Funds Appropriated For:		Architect Has Been Selected
					Planning	Construction	
Ala.	1954	-	X	-	-	-	-
Alaska	- (a)	-	- (b)	-	-	-	-
Ariz.	1954	-	-	X	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	1960	-	-	-	-	-	-
Conn.	1967	X-4,511 (c)	-	-	-	-	-
Del.	1960	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	1954 (d)	-	-	X (d)	-	-	-
Ga.	1960	-	-	-	-	-	-
Hawaii	1961	X-714 (e)	-	X	-	-	-
Ida.	1965	-	-	-	-	-	-
Ill.	*	-	X	X	X	X	X
Ind.	1950	-	-	-	-	-	-
Ia.	1928	<i>oldest</i>	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	1960	-	-	-	-	-	-
La.	1958	-	-	-	-	-	-
Me.	1923 (f)	-	-	-	X	X	X
Md.	1951	X	X	-	X	-	X
Mass.	*	*	*	*	*	*	*
Mich.	1926 (g)	-	-	-	-	-	-
Minn.	1968 (h)	<i>newest</i>	-	-	-	-	-
Miss.	1959	-	-	-	-	-	-
Mo.	1967	X (i)	-	X	- (j)	-	-
Mont.	1958 (k)	-	-	-	-	-	-
Nebr.	1932	-	X	X	X	- (1)	X
Nev.	1964	-	X	-	-	-	-
N.H.	*	-	X	-	X	-	X
N.J.	1966 (m)	-	-	-	-	-	-
N.M.	1937	-	X	X	-	-	X
N.Y.	1918-48	X-12,000(n)	X	-	X	X	X
N.C.	1940	-	X	X	-	-	-
N.D.	*	*	*	*	*	*	*
Ohio	1942	-	-	X	X	X	-
Okla.	*	*	*	*	*	*	*
Ore.	1950	-	X	-	-	-	-
Pa.	1927	-	X	-	X	X	X
R.I.	1936	X-680 (o)	-	-	-	-	-
S.C.	1965	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	1954	-	-	-	-	-	-
Tex.	1957	-	-	-	-	-	-
Utah	1952	- (p)	-	X	- (p)	-	-
Vt.	1953	-	X	X	-	-	-
Va.	1923	-	X	X	X	X	X
Wash.	1965	-	-	-	-	-	-
W. Va.	1954	-	-	-	-	-	-
Wisc.	1953	-	-	-	-	-	-
Wyo.	1952	-	-	X	-	-	-
P.R.	*	-	X	-	-	-	-
V.I.	1960	-	X	-	X	X	X

TABLE 2-8. STATUS OF PLANNING FOR NEW LABORATORY FACILITIES
(Continued)

	Construction Should Begin by FY:	Estimated Cost	Estimated Gross Sq. Ft.	Estimated Net Sq. Ft.	Lab to be a Separate Building	Planned Building to Replace Present Lab.
Ala.	-	*	-	-	-	X
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	1970	\$ 1,000,000	20,000	17,500	X	X
Ga.	-	-	-	-	-	-
Hawaii	1970	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	1969	7,000,000	170,000	100,000	X	X
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	1968	770,000	39,600	35,000 (q)	-	X
Md.	1970	8,474,100	150,000	82,500	X	X
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	1970	2,600,000	44,000	24,000	X	X
Mont.	-	-	-	-	-	-
Nebr.	1969	800,000	25,000	8,400 (r)	X	X
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	*	-	60,000	*	X	X
N.Y.	1969	37,000,000	475,000	275,000	X	X
N.C.	*	*	31,950	18,867	*	X
N.D.	*	*	*	*	*	*
Ohio	1970	5,000,000	75,000	45,000	X	X
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	X	X
Pa.	1970	7,000,000	*	*	X	X
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	*	1,000,000	20,000	12,000	X	X
Va.	1968	5,000,000	90,000	*	X	X
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	X
P.R.	-	1,500,000	-	-	-	X
V.I.	*	*	2,100	*	-	X

FOOTNOTES FOR TABLE 2-8.

- (a) Juneau (Southeastern Regional Laboratory), 1937; Anchorage (Southcentral Regional Laboratory), 1961; Fairbanks (Northern Regional Laboratory), 1965.
- (b) Talking stage only for replacement of building at Juneau.
- (c) Increase of 3,228 net sq. ft. of professional and technical space and 1,283 net sq. ft. supportive services space.
- (d) Central Laboratory. Branch laboratories completed as follows: Miami, 1958; Orlando, 1957; Tallahassee, 1950; West Palm Beach, 1953; Pensacola, 1965; Tampa, 1966. Planning anticipated for Miami Regional Laboratory if money made available.
- (e) *New District Laboratories on Kauai and Maui.*
- (f) Renovated 1962.
- (g) 28 buildings phased in from 1926 to date.
- (h) New building is presently in progress and is to be completed December 1968.
- (i) Space increased by taking over four office rooms for laboratory.
- (j) Expected in June 1968.
- (k) Space in the Montana laboratory, which has not been reported previously, is as follows: Professional and Technical space, 2,816 net sq.ft. (microbiology, 1,593 sq.ft.; Serology, 375, Virology, 848); Laboratory Support Services, 3,237 net sq.ft. (Glassware and Media Preparation, 684; container preparation and supply room, 104; animal facilities, 1,057; mail room and specimen receiving, 670; bulk storage, 722); administrative and clerical, 1,783 net sq.ft. (clerical offices, 683; other administrative space, which is shared with the entire Health Department, 1,100) Total, 7,836 net sq.ft.
- (l) A fault in the appropriation bill has disallowed the 1965 appropriation of \$650,000. Replanning is in a state of flux at present - possibly an entire new Health Department Building will be recommended by State Committee.
- (m) Gross engineering and construction errors in the new laboratory related to air handling have not yet permitted its occupancy by the Virology Program and most of the Bacteriology Program. Appropriate alterations are in the planning stage and full occupancy of the building should be possible by the Fall of 1968.
- (n) Radiological Health Laboratory added and opened May 1, 1967.
- (o) Increase of 575 sq.ft. professional and technical space and 105 sq.ft. administrative space.
- (p) During the latter part of the fiscal year the growth of the Chemistry Unit made it imperative to obtain additional space. This was not obtained until after the fiscal period had ended. A \$200,000 planning fund was provided by the 1965 Legislature but it is doubtful if this fund is still available.
- (q) 22,000 available to laboratory.
- (r) Represents space for laboratory. An additional 3,200 sq.ft. will be joint use area.

SECTION III

PERSONNEL

TABLE 3-1. LABORATORY STAFFING

	Total Budgeted Positions	Professional and Technical Positions (a)	Support Services Positions (b)	Administrative and Clerical Positions	Maintenance Positions (c)
Ala. (d)	149	86	39	23	1
Alaska (d)	22	10	6	6	-
Ariz. (d)	42	29	4	8	1
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	38	28	5	5	-
Conn.	159	100	29	30	-
Del.	19(e)	12	3	4	-
D.C.	*	*	*	*	*
Fla. (d)	179	101	40	38	-
Ga. (d)	137	66(f)	34	36	1
Hawaii (d)	34	20	8	6	-
Ida. (d)	36(g)	27	2	5	2
Ill. (d)	204	104	47	52	1
Ind.	70(h)	42	12	16	-
Ia. (d)	75	49	10	16	-
Kans.	50(i)	29	9	11	1
Ky. (d)	68	38	16	13	1
La. (d)	180	67	41	72	-
Me.	17	10	3	4	-
Md. (d)	234	156	39	35	4
Mass.	*	*	*	*	*
Mich. (d)	350	188	97	40	25
Minn.	78	47	15	16	-
Miss. (d)	44	25	11	8	-
Mo.	43	28	8	7	-
Mont.	17(j)	8	4	5	-
Nebr. (d)	24	15	4	5	-
Nev. (d)	17	14	-	3	-
N.H.	14	10	2	2	-
N.J. (d)	150	102	31	17	-
N.M. (d)	36	19	8	9	-
N.Y.	581	316	152	93	20
N.C. (d)	107	67	20	19	1
N.D.	*	*	*	*	*
Ohio (d)	95	58	24	13	-
Okla.	*	*	*	*	*
Ore.	36	25	3	8	-
Pa. (d)	103	58	21	22	2
R.I.	43	28	8	7	-
S.C. (d)	70	42	12	16	-
S.D.	*	*	*	*	*
Tenn. (d)	119	72	26	21	-
Tex.	112	74	20	18	-
Utah	33	17	9	7	-
Vt.	23	14	4	5	-
Va. (d)	80	51	15	14	-
Wash.	42	24	7	11	-
W. Va.	40	22	6	10	2
Wisc.	173	117	24	32	-
Wyo.	8	4	2	2	-
P.R.	95	62	17	15	1
V.I.	9	6	1	2	-

TABLE 3-2. PERSONNEL DISTRIBUTION

	PERCENT OF TOTAL			
	Professional and Technical Positions	Support Services Positions	Administrative and Clerical Positions	Maintenance Positions
Ala.	57.7	26.2	15.4	0.7
Alaska	45.4	27.3	27.3	-
Ariz.	69.1	9.5	19.0	2.4
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	73.6	13.2	13.2	-
Conn.	62.9	18.2	18.9	-
Del.	63.1	15.8	21.1	-
D.C.	*	*	*	*
Fla.	56.4	22.4	21.2	-
Ga.	48.2	24.8	26.3	0.7
Hawaii	58.8	23.5	17.7	-
Ida.	75.0	5.6	13.9	5.5
Ill.	51.0	23.0	25.5	0.5
Ind.	60.0	17.1	22.9	-
Ia.	65.4	13.3	21.3	-
Kans.	58.0	18.0	22.0	2.0
Ky.	55.9	23.5	19.1	1.5
La.	37.2	22.8	40.0	-
Me.	58.8	17.7	23.5	-
Md.	66.7	16.7	14.9	1.7
Mass.	*	*	*	*
Mich.	53.7	27.7	11.4	7.2
Minn.	60.3	19.2	20.5	-
Miss.	56.8	25.0	18.2	-
Mo.	65.1	18.6	16.3	-
Mont.	47.1	23.5	29.4	-
Nebr.	62.5	16.7	20.8	-
Nev.	82.4	-	17.6	-
N.H.	71.4	14.3	14.3	-
N.J.	68.0	20.7	11.3	-
N.M.	52.8	22.2	25.0	-
N.Y.	54.4	26.2	16.0	3.4
N.C.	62.6	18.7	17.8	0.9
N.D.	*	*	*	*
Ohio	61.0	25.3	13.7	-
Okla.	*	*	*	*
Ore.	69.5	8.3	22.2	-
Pa.	56.3	20.4	21.4	1.9
R.I.	65.1	18.6	16.3	-
S.C.	60.0	17.1	22.9	-
S.D.	*	*	*	*
Tenn.	60.5	21.9	17.6	-
Tex.	66.1	17.8	16.1	-
Utah	51.5	27.3	21.2	-
Vt.	60.9	17.4	21.7	-
Va.	63.8	18.7	17.5	-
Wash.	57.1	16.7	26.2	-
W. Va.	55.0	15.0	25.0	5.0
Wisc.	67.6	13.9	18.5	-
Wyo.	50.0	25.0	25.0	-
P.R.	65.3	17.9	15.8	1.0
V.I.	66.7	11.1	22.2	-

TABLE 3-3. EMPLOYMENT AND TURNOVER IN ALL POSITIONS

	Positions Budgeted	Positions Filled	Turnover		Employees Hired	Percent Turnover (k)
			Resignations	Separations		
Ala.	149	144	29	2	49	20.8
Alaska	22	21	5	1	6	27.3
Ariz.	42	41	8	2	14	23.8
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	38	38	4	-	4	10.5
Conn.	159	146	20	4	21	15.1
Del.	19	19(1)	2	1	3	15.8
D.C.	*	*	*	*	*	*
Fla.	179	173	18	1	18	10.6
Ga.	137	134	25	3	27	20.4
Hawaii	34	34	6	-	7	17.6
Ida.	36	36	-	1	3	2.8
Ill.	204	192	42	1	32	21.1
Ind.	70	68	2	1	1	4.3
Ia.	75	75	19	-	19	25.3
Kans.	50	42	9	-	6	18.0
Ky.	68	65	5	3	8	11.8
La.	180	178	34	-	38	18.9
Me.	17	17	1	-	1	5.9
Md.	234	222	41	7	55	20.5
Mass.	*	*	*	*	*	*
Mich.	350	*	53	12	58	18.6
Minn.	78	70	12	-	12	15.4
Miss.	44	43	3	1	4	9.1
Mo.	43	32	3	3	9	14.0
Mont.	17	16	6	-	7	35.3
Nebr.	24	21	7	-	5	29.2
Nev.	17	17	3	-	3	17.6
N.H.	14	12	1	-	-	7.1
N.J.	150	140	31	-	35	20.7
N.M.	36	35	12	-	12	33.3
N.Y.	581	518	90	10	112	17.2
N.C.	107	107	24	-	29	22.4
N.D.	*	*	*	*	*	*
Ohio	95	95	27	3	30	31.6
Okla.	*	*	*	*	*	*
Ore.	36	36	11	-	11	30.6
Pa.	103	101	42	-	48	40.8
R.I.	43	41	-	1	4	2.3
S.C.	70	62	15	-	12	21.4
S.D.	*	*	*	*	*	*
Tenn.	119	117	10	1	13	9.2
Tex.	112	107	15	2	21	15.2
Utah	33	33	7	1	8	24.2
Vt.	23	22	5	-	6	21.7
Va.	80	78	9	-	10	11.3
Wash.	42	42	4	-	5	9.5
W. Va.	40	38	5	4	9	22.5
Wisc.	173	168	25	5	26	17.3
Wyo.	8	8	2	-	6	25.0
P.R.	95	87	14	2	14	16.8
V.I.	9	8	*	*	*	*

TABLE 3-4. EMPLOYMENT AND TURNOVER IN PROFESSIONAL AND TECHNICAL POSITIONS

	Professional and Technical Positions Budgeted	Positions Filled	Turnover		Employees Hired	Percent Turnover(k)
			Resignations	Separations		
Ala.	86	82	11	2	26	15.1
Alaska	10	9	2	-	2	20.0
Ariz.	29	29	5	-	7	22.7
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	28	28	-	-	-	-
Conn.	100	92	11	-	11	11.0
Del.	12	12	2	1	3	25.0
D.C.	*	*	*	*	*	*
Fla.	101	96	9	-	8	8.9
Ga.	66	62	17	1	17	27.3
Hawaii	20	20	2	-	3	10.0
Ida.	27	27	-	-	2	-
Ill.	104	99	*	*	*	*
Ind.	42	40	2	1	1	7.1
Ia.	49	49	10	-	11	20.4
Kans.	29	26	4	-	5	13.8
Ky.	38	36	1	-	-	2.6
La.	67	65	16	-	18	23.9
Me.	10	10	1	-	1	10.0
Md.	156	144	15	6	25	13.5
Mass.	*	*	*	*	*	*
Mich.	188	*	24	5	28	15.4
Minn.	47	44	3	-	3	6.4
Miss.	25	24	3	1	4	16.0
Mo.	28	25	1	1	5	4.7
Mont.	8	7	1	-	2	12.5
Nebr.	15	12	3	-	1	20.0
Nev.	14	14	2	-	2	14.3
N.H.	10	8	1	-	-	10.0
N.J.	102	93	19	-	20	18.6
N.M.	19	18	5	-	5	26.3
N.Y.	316	265	53	2	61	17.4
N.C.	67	67	16	-	17	23.9
N.D.	*	*	*	*	*	*
Ohio	58	58	11	1	10	20.7
Okla.	*	*	*	*	*	*
Ore.	25	25	7	-	7	28.0
Pa.	58	56	26	-	32	44.8
R.I.	28	27	-	-	4	-
S.C.	42	36	8	-	9	19.0
S.D.	*	*	*	*	*	*
Tenn.	72	71	6	-	8	8.3
Tex.	74	71	8	-	10	10.8
Utah	17	17	4	1	5	29.4
Vt.	14	13	3	-	4	21.4
Va.	51	50	8	-	8	15.7
Wash.	24	24	2	-	2	8.3
W. Va.	22	20	5	2	6	31.8
Wisc.	117	112	15	2	13	14.5
Wyo.	4	4	-	-	3	-
P.R.	62	58	6	2	9	12.9
V.I.	6	5	*	*	*	*

SECTION III. FOOTNOTES

- (a) Includes Laboratory Assistants and Laboratory Helpers who contribute directly to the performance of laboratory tests.
- (b) Includes personnel assigned to cleaning and sterilizing glassware, taking care of animals, and janitorial and messenger duties.
- (c) Includes those who perform installation, repair, and preventive maintenance on equipment.
- (d) Includes Branch Laboratory personnel.
- (e) Includes 2 part-time employees (1 professional and technical, and 1 administrative and clerical).
- (f) Includes 2 part-time employees.
- (g) Includes 5 part-time employees (2 professional and technical, 1 administrative and clerical, and both maintenance employees).
- (h) This figure does not include 7 temporary summer employees (1 clerical, 4 technical, 2 supportive).
- (i) Includes 1 half-time employee (administrative and clerical).
- (j) Includes 4 part-time employees.
- (k) Based on budgeted positions.
- (l) Because of prolonged illness of two employees the number of positions filled was down to 16 in February and March 1967.

SECTION IV

TRAINING AND STAFF DEVELOPMENT

TABLE 4-1. FORMAL COURSES AND WORKSHOPS SPONSORED OR CONDUCTED BY STATE LABORATORY
FOR OTHER THAN STATE LABORATORY PERSONNEL

	Total No. of Courses	Diagnostic Microbiology, Clinical Chemistry		Sanitary Bacteriology and Chemistry		Laboratory Techniques and Procedures	
		No. of Students	Student- days Training	No. of Students	Student- days Training	No. of Students	Student- days Training
Ala.	-	-	-	-	-	-	-
Alaska	1	-	-	1	1	-	-
Ariz.	1	24	48	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	2	65	130	12	48	-	-
Conn.	2	*	*	28	392	11	44
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	4	-	-	17	85	50	190
Ga.	4	24	124	24	24	11	55
Hawaii	-	-	-	-	-	-	-
Ida.	5	23	138	18	90	43	138
Ill.	-	-	-	-	-	-	-
Ind.	5	26	78	54	54	-	-
Ia.	1	20	90	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	3	73	442	-	-	-	-
Me.	2	110	350	-	-	-	-
Md.	3	3	69	-	-	43	85
Mass.	*	*	*	*	*	*	*
Mich.	2	190	190	-	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	2	18	90	-	-	6	18
Mont.	-	-	-	-	-	-	-
Nebr.	1	23	115	-	-	-	-
Nev.	1	26	130	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	12	14	87	*	*	85	106
N.M.	1	24	144	-	-	-	-
N.Y.	20	814	5909	-	-	10	100
N.C.	2	-	-	-	-	39	138
N.D.	2	-	-	-	-	40	160
Ohio	3	-	-	-	-	27	85
Okla.	*	*	*	*	*	*	*
Ore.	2	20	60	-	-	20	60
Pa.	*	*	*	*	*	*	*
R.I.	-	-	-	-	-	-	-
S.C.	1	16	96	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	1	7	35	-	-	-	-
Tex.	20	215	833	-	-	31	93
Utah	1	40	200	-	-	-	-
Vt.	1	-	-	-	-	14	84
Va.	-	-	-	-	-	-	-
Wash.	9	-	-	-	-	233	1690
W. Va.	5	-	-	21	60	11	66
Wisc.	3	9	45	19	95	13	52
Wyo.	-	-	-	-	-	-	-
P.R.	4	28	100	16	80	9	18
V.I.	-	-	-	-	-	-	-

TABLE 4-2. BENCH TRAINING PROVIDED BY STATE LABORATORY FOR OTHER THAN STATE LABORATORY PERSONNEL

	Total No. of Courses	Diagnostic Microbiology, Clinical Chemistry		Sanitary Bacteriology and Chemistry		Laboratory Techniques and Procedures	
		No. of Students	Student- days Training	No. of Students	Student- days Training	No. of Students	Student- days Training
Ala.	-	-	-	-	-	-	-
Alaska	1	-	-	-	-	14	70
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	2	20	100	-	-	3	30
Conn.	7	14	5	-	-	5	27
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	3	10	50	7	35	10	10
Ga.	3	5	65	-	-	-	-
Hawaii	7	18	867	-	-	34	26
Ida.	-	-	-	-	-	-	-
Ill.	10	-	-	-	-	112	141
Ind.	3	-	-	1	2	7	28
Ia.	4	18	36	1	2	-	-
Kans.	-	-	-	-	-	-	-
Ky.	1	20	180	-	-	-	-
La.	3	18	120	-	-	-	-
Me.	3	1	40	-	-	3	9
Md.	6	21	296	-	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	1	6	9	-	-	-	-
Mo.	4	18	35	5	10	-	-
Mont.	1	1	5	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	3	4	24	-	-	2	240
N.H.	-	-	-	-	-	-	-
N.J.	4	11	20	3	3	3	12
N.M.	-	-	-	-	-	-	-
N.Y.	5(a)	33	705	-	-	-	-
N.C.	6	82	2038	-	-	7	84
N.D.	-	-	-	-	-	-	-
Ohio	3	-	-	3	15	4	4
Okla.	*	*	*	*	*	*	*
Ore.	5	14	14	4	4	5	10
Pa.	*	*	*	*	*	*	*
R.I.	3	4	11	-	-	-	-
S.C.	3	4	112	2	20	2	4
S.D.	*	*	*	*	*	*	*
Tenn.	4	16	160	5	26	-	-
Tex.	-	-	-	-	-	-	-
Utah	7(b)	24	84	7	35	70	210
Vt.	5	*	*	-	-	*	*
Va.	-	-	-	-	-	-	-
Wash.	3	2	42	-	-	3	12
W. Va.	4	1	4	6	18	2	10
Wisc.	(c)	10	(c)	-	-	25	500
Wyo.	-	-	-	-	-	-	-
P.R.	5	5	31	2	15	-	-
V.I.	-	-	-	-	-	-	-

TABLE 4-3. TRAINING OF STATE PROFESSIONAL AND TECHNICAL STAFF IN FORMAL COURSES AND SEMINARS

	Number of Professional and Technical Employees	Number Attending a Formal Course or Seminar	Total Man-Days of Attendance	Average Man-Days of Attendance per Employee
Ala.	82	13	102	1.24
Alaska	9	1	3	0.33
Ariz.	29	9	16	0.55
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	28	2	14	0.50
Conn.	92	20	71	0.77
Del.	12	1	5	0.42
D.C.	*	*	*	*
Fla.	96	8	44	0.46
Ga.	62	187	676	10.90
Hawaii	20	11	30	1.50
Ida.	27	-	-	-
Ill.	99	34(d)	92	0.93
Ind.	40	-	-	-
Ia.	49	12	46	0.94
Kans.	26	11	27	1.04
Ky.	36	21	111	3.08
La.	65	14	*	*
Me.	10	5	18	1.80
Md.	144	17	104	0.72
Mass.	*	*	*	*
Mich.	*	*	*	*
Minn.	44	3	20	0.45
Miss.	24	5	27	1.13
Mo.	25	6	22	0.88
Mont.	7	4	13	1.86
Nebr.	12	2	10	0.83
Nev.	14	3	20	1.43
N.H.	8	1	20	2.50
N.J.	93	11	42	0.45
N.M.	18	7	18	1.00
N.Y.	265	27(d)	248	0.94
N.C.	67	18	132	1.97
N.D.	*	4	24	*
Ohio	58	8	24	0.41
Okla.	*	*	*	*
Ore.	25	4	25	1.00
Pa.	*	*	*	*
R.I.	27	8	46	1.70
S.C.	36	10	66	1.83
S.D.	*	*	*	*
Tenn.	71	14	108	1.52
Tex.	71	4	12	0.17
Utah	17	6(e)	36	2.12
Vt.	13	11	46	3.54
Va.	50	6	55	1.10
Wash.	24	44	127	5.29
W. Va.	20	7	31	1.55
Wisc.	112	20	232	2.07
Wyo.	4	2	15	3.75
P.R.	58	3	25	0.43
V.I.	5	-	-	-

TABLE 4-4. BENCH TRAINING RECEIVED BY STATE PROFESSIONAL AND TECHNICAL STAFF

	Number of Professional and Technical Employees	Number Receiving Bench Training	Total Man-days of Training	Average Man-days of Training per Employee
Ala.	82	-	-	-
Alaska	9	6	30	3.33
Ariz.	29	1	3	0.10
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	28	-	-	-
Conn.	92	2	4	0.04
Del.	12	9	18	1.50
D.C.	*	*	*	*
Fla.	96	4	20	0.21
Ga.	62	10	102	1.64
Hawaii	20	-	-	-
Ida.	27	6	12	0.44
Ill.	99	1	5	0.05
Ind.	40	2	8	0.20
Ia.	49	-	-	-
Kans.	26	15	71	2.73
Ky.	36	-	-	-
La.	65	8	*	*
Me.	10	6	33	3.30
Md.	144	-	-	-
Mass.	*	*	*	*
Mich.	*	*	*	*
Minn.	44	1	3	0.07
Miss.	24	-	-	-
Mo.	25	9	85	3.40
Mont.	7	6	34	4.86
Nebr.	12	-	-	-
Nev.	14	-	-	-
N.H.	8	-	-	-
N.J.	93	3	6	0.06
N.M.	18	-	-	-
N.Y.	265	-	-	-
N.C.	67	4	21	0.31
N.D.	*	-	-	-
Ohio	58	11	80	1.38
Okla.	*	*	*	*
Ore.	25	5	50	2.00
Pa.	*	*	*	*
R.I.	27	1	5	0.18
S.C.	36	3	68	1.88
S.D.	*	*	*	*
Tenn.	71	3	18	0.25
Tex.	71	3	20	0.28
Utah	17	7	38	2.24
Vt.	13	-	-	-
Va.	50	-	-	-
Wash.	24	-	-	-
W. Va.	20	-	-	-
Wisc.	112	4	22	0.20
Wyo.	4	-	-	-
P.R.	58	2	26	0.45
V.I.	5	5	13	2.60

TABLE 4-5. ACADEMIC TRAINING OF STATE LABORATORY STAFFS DURING YEAR REPORTED

	Number of Staff Members Receiving Training	Number Receiving A Degree	Source of Financial Support		
			Personal	State	Federal
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	1	-	1	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	-	-	-	-	-
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	-	-	-	-	-
Ga.	1	1 (M.S.)	-	-	1
Hawaii	1	-	-	1	-
Ida.	-	-	-	-	-
Ill.	3	-	3	-	-
Ind.	1	-	1	-	-
Ia.	-	-	-	-	-
Kans.	-	-	-	-	-
Ky.	-	-	-	-	-
La.	2	-	-	2	-
Me.	-	-	-	-	-
Md.	-	-	-	-	-
Mass.	*	*	*	*	*
Mich.	*	*	*	*	*
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	1	1 (Dr. PH)	1	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	8	-	8	-	-
N.M.	5	-	-	5	-
N.Y.	52	-	-	52	-
N.C.	6	-	4	2	-
N.D.	-	-	-	-	-
Ohio	1	-	-	-	1
Okla.	-	-	-	-	-
Ore.	-	-	-	-	-
Pa.	*	1 (Dr. PH)	*	*	*
R.I.	6	-	5	1	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	1	-	-	-	1
Tex.	2	-	-	-	2
Utah	1	1 (Dr. PH)	-	-	1
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	-	-	-	-	-
Wyo.	-	-	-	-	-
P.R.	1	-	1	-	-
V.I.	-	-	-	-	-

TABLE 4-6. STAFF ATTENDANCE AT SCIENTIFIC MEETINGS AND ORAL PRESENTATIONS
AT SCHEDULED MEETINGS (f)

	No. of Meeting Attendances	Source of Meeting Expenses, if Any				Oral Presentations On:		
		Personal	State	Federal	Other	Diag. Micro., Clin. Chemistry	Laboratory Procedures	Public Health Lab. Services, Licensing
Ala.	-	-	-	-	-	-	-	-
Alaska	5	-	5	-	-	1	-	1
Ariz.	3	-	-	3	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	21	-	21	-	-	-	-	5
Conn.	33	20	10	3	-	7	1	2
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	23	-	18	5	-	2	-	-
Ga.	64	-	45 (g)	(g)	-	11	1	-
Hawaii	8	5	3	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	32	10	22	-	-	2	6	3
Ind.	9	-	-	9	-	3	1	-
Ia.	38	*	*	*	*	(f)	-	-
Kans.	8	-	8	-	-	-	-	-
Ky.	8	-	6	2	-	-	-	-
La.	42	21	19	-	-	1	1	2
Me.	2	-	2	-	-	-	-	1
Md.	92	61	26	3	2	6	5	3
Mass.	*	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*	*
Minn.	1	-	1	-	-	(f)	-	-
Miss.	3	-	3	-	-	2	1	-
Mo.	19	-	19	-	-	2	1	2
Mont.	-	-	-	-	-	-	-	-
Nebr.	*	*	*	*	*	*	*	*
Nev.	3	-	3	-	-	-	-	1
N.H.	-	-	-	-	-	-	-	-
N.J.	74	-	70	4	-	8	-	1
N.M.	9	3	4	2	-	1	4	1
N.Y.	51 (h)	-	48	-	3	50 (f)	-	1
N.C.	23	2	21	-	-	1	-	1
N.D.	-	-	-	-	-	1 (f)	-	1
Ohio	13	1	-	1	-	-	1	4
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	15	*	*
Pa.	*	*	*	*	*	*	*	*
R.I.	20	8	8	4	-	-	-	1
S.C.	13	-	7	1	-	-	2	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	4	-	4	-	-	-	-	-
Tex.	8	2	4	-	2	15	*	*
Utah	3	2	1	-	-	5 (f)	1	1
Vt.	7	*	*	*	-	-	-	1
Va.	5	-	5	-	-	1	-	-
Wash.	27	5	18	4	-	1	1	5
W. Va.	25	-	2	3	-	-	-	3
Wisc.	26	-	14	12	-	12 (f)	*	*
Wyo.	1	-	-	1	-	-	-	-
P.R.	6	-	1	4	-	4	-	-
V.I.	-	-	-	-	-	(i)	-	-

SECTION IV. FOOTNOTES

- (a) In addition, the following other training activities were reported: a physician-in-training was assigned varying lengths of time in each diagnostic unit. A four-week training course in all diagnostic fields for a physician from Trinidad with World Health Organization Fellowship was provided.
- (b) Figures in this table are approximate.
- (c) Individual bench training was provided for 10 students for 2-5 days each. Other training provided included one year of graduate student training for 1 student and three months training for 8 vocational school students as Laboratory Assistants (Chemistry).
- (d) Study of NCDC parasitology correspondence course was reported as follows: Illinois, 3 employees; New York, 2 employees. These figures are not included in the table.
- (e) In addition, Microbiologists regularly attend graduate seminars, University of Utah.
- (f) The States reported classroom instruction as follows: Iowa. Some members of the laboratory staff have an academic appointment in addition to their University professional appointment. They conducted several semester courses in addition to lecture assistance in courses conducted by other faculty members. Detailed records are not maintained on the numerous presentations made by the staff which would be included in this Table; Minnesota. A course in Public Health Bacteriology at the School of Public Health, University of Minnesota, lasting 108 days and attended by 12 students; New York. Two students were trained in the Division's School of Cytotechnology, which is approved by the Board of Schools of the American Society of Clinical Pathologists. Starting September 1967, this Division in conjunction with other cytology laboratories in Albany has five students enrolled in Albany Cytotechnology School; North Dakota. A course in Basic Microbiology at Mary College, Bismarck, North Dakota; Utah. A one-quarter course in Microbiology at the University of Utah with nine students; Wisconsin. A 196-hour Public Health Microbiology course for 12 students at the University, a cytology school at the University also for 12 students, and 126 hours in Microbiology for 55 hospital nursing students.
- (g) Five part-Federal, part-State.
- (h) No record is available of in-state meetings attended; information regarding meetings attended at personal expense or on grant monies is incomplete. In addition to these attendances, 13 lectures, conferences and society meetings were held at the Division of Laboratories and Research.
- (i) Staff meetings on various topics were held.

SECTION V

FINANCES

TABLE 5-1. LABORATORY EXPENDITURES

	Estimated Population (a)	Laboratory Expenditures (b)	Laboratory Expenditures per Capita	Health Department Expenditures	Lab Expenditures As % of Health Dept. Expenditures
Ala.	3,517,000	\$ 899,258	0.256	\$ 4,680,000	19.2
Alaska	272,000	263,828	0.970	3,658,444	7.2
Ariz.	1,618,000	308,972	0.191	*	*
Ark.	1,955,000	*	*	*	*
Cal.	18,918,000	*	*	*	*
Colo.	1,977,000	331,938	0.168	7,153,031	4.6
Conn.	2,875,000	1,520,741	0.529	27,700,186	5.5
Del.	512,000	119,693	0.234	2,308,704	5.2
D.C.	808,000	*	*	*	*
Fla.	5,941,000	1,097,548	0.185	38,900,000	2.8
Ga.	4,459,000	1,040,718	0.233	74,767,350 (c)	1.4
Hawaii	718,000	298,982	0.416	15,480,878	1.9
Ida.	694,000	254,504	0.367	1,930,717	13.2
Ill.	10,722,000	1,790,194	0.167	12,638,686	14.2
Ind.	4,918,000	473,866 (d)	0.096	4,766,235	9.9
Ia.	2,747,000	848,984	0.309	*	*
Kans.	2,250,000	550,832	0.245	6,672,887	8.3
Ky.	3,183,000	507,002	0.159	6,703,663	7.6
La.	3,603,000	946,812	0.263	6,809,422	13.9
Me.	983,000	143,638	0.146	3,299,292	4.4
Md.	3,613,000	1,812,334	0.502	51,322,387	3.5
Mass.	5,383,000	*	*	*	*
Mich.	8,374,000	3,581,808	0.428	*	*
Minn.	3,576,000	535,720	0.150	3,574,711	15.0
Miss.	2,327,000	301,080	0.129	3,674,791	8.2
Mo.	4,508,000	264,721	0.059	5,406,629	4.9
Mont.	702,000	120,005	0.171	1,867,947	6.4
Nebr.	1,456,000	104,639	0.072	1,095,711	9.5
Nev.	454,000	114,827	0.253	*	*
N.H.	681,000	*	*	*	*
N.J.	6,898,000	1,053,802	0.153	10,228,734	10.3
N.M.	1,022,000	284,893	0.279	2,785,026	10.2
N.Y.	18,258,000	5,048,957	0.277	75,618,873	6.7
N.C.	5,000,000	899,629	0.180	10,941,067	8.2
N.D.	650,000	157,588	0.242	1,161,714	13.6
Ohio	10,305,000	661,200	0.064	5,220,335	12.7
Okla.	2,458,000	*	*	*	*
Ore.	1,955,000	310,812	0.159	3,856,049	8.1
Pa.	11,582,000	808,837	0.070	48,293,246	1.7
R.I.	898,000	362,000	0.403	4,656,000	7.8
S.C.	2,586,000	336,399	0.130	4,576,027	7.4
S.D.	682,000	*	*	*	*
Tenn.	3,883,000	897,402	0.231	9,520,000	9.4
Tex.	10,752,000	697,800	0.065	*	*
Utah	1,008,000	258,865	0.257	2,732,028	9.5
Vt.	405,000	193,000	0.477	*	*
Va.	4,507,000	498,626	0.111	30,506,833	1.6
Wash.	2,980,000	449,350	0.151	6,141,222	7.3
W. Va.	1,794,000	301,818	0.168	2,740,894	11.0
Wisc.	4,161,000	1,314,945	0.316	10,367,199	12.7
Wyo.	329,000	30,800	0.094	1,200,000	2.6
P. R.	2,668,000	442,716	0.166	104,271,260	0.4
V.I.	49,500	57,438	1.160	6,493,231	0.9

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE

	Total Expenditures	Expenditures For Salaries	% of Total Expenditures For Salaries	Expenditures For Supplies	% of Total Expenditures For Supplies
Ala.	\$ 899,258	\$ 661,288	73.5	\$ 135,674	15.1
Alaska	263,828	160,616	60.9	29,087	11.0
Ariz.	308,972	244,128	79.0	41,277	13.4
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	331,938	224,301	67.6	99,290	29.9
Conn.	1,520,741	1,000,403	65.8	99,887	6.6
Del.	119,693	87,507	73.1	3,869	3.2
D.C.	*	*	*	*	*
Fla.	1,097,548	708,453	64.6	118,689	10.8
Ga.	1,040,718	777,362	74.7	150,754	14.5
Hawaii	298,982	250,039	83.6	30,146	10.1
Ida.	254,504	183,399	72.1	34,929	13.7
Ill.	1,790,194	1,104,030	61.7	105,841	5.9
Ind.	473,866 (d)	470,567	99.3 (d)	(d)	-
Ia.	848,984	505,575	59.6	123,481	14.5
Kans.	550,832	281,791	51.1	22,921	4.2
Ky.	507,002	349,977	69.0	93,271	18.4
La.	946,812	754,423	79.7	105,213	11.1
Me.	143,638	96,071	66.9	17,972	12.5
Md.	1,812,334	1,233,705	68.1	145,966	8.1
Mass.	*	*	*	*	*
Mich.	3,581,808	*	*	*	*
Minn.	535,720	369,253	68.9	73,848	13.8
Miss.	301,080	189,273	62.8	95,686	31.8
Mo.	264,721	197,179	74.5	28,720	10.8
Mont.	120,005	93,475	77.9	15,550	13.0
Nebr.	104,639	85,616	81.8	8,281	7.9
Nev.	114,827	87,372	76.1	25,925	22.6
N.H.	*	*	*	*	*
N.J.	1,053,802	672,625	63.8	147,912	14.0
N.M.	284,893	174,815	61.4	21,307	7.5
N.Y.	5,048,957	4,144,803	82.1	352,450	7.0
N.C.	899,629	550,571	61.2	203,964	22.7
N.D.	157,588	121,729	77.3	21,342	13.5
Ohio	661,200	473,562	71.6	63,216	9.6
Okla.	*	*	*	*	*
Ore.	310,812	223,484	71.9	31,889	10.2
Pa.	808,837	550,477	68.0	171,987	21.3
R.I.	362,000	268,000	74.0	35,000	9.7
S.C.	336,399	261,626	77.8	22,901	6.8
S.D.	*	*	*	*	*
Tenn.	897,402	731,459	81.5	74,348	8.3
Tex.	697,800	549,000	78.7	84,000	12.0
Utah	258,865	172,303	66.6	45,700	17.6
Vt.	193,000	160,000	82.9	22,348	11.6
Va.	498,626	382,848	76.8	56,691	11.4
Wash.	449,350	308,601	68.7	29,400	6.5
W. Va.	301,818	202,600	67.1	85,418	28.3
Wisc.	1,314,945	993,487	75.6	216,748	16.5
Wyo.	30,800	25,260	82.0	1,725	5.6
P.R.	442,716	385,016	87.0	45,300	10.2
V.I.	57,438	44,097	76.8	5,900	10.2

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

	Expenditures For Equipment	% of Total Expenditures For Equipment	Expenditures For Travel	% of Total Expenditures For Travel
Ala.	\$ 19,483	2.2	\$ 9,779	1.1
Alaska	3,189	1.2	1,887	0.7
Ariz.	22,599	7.3	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	5,041	1.5	3,306	1.0
Conn.	273,900	18.0 <i>H</i>	1,556	0.1 <i>L</i>
Del.	4,499	3.8	-	-
D.C.	*	*	*	*
Fla.	13,300	1.2	14,200	1.3
Ga.	13,899	1.3	5,420	0.5
Hawaii	10,466	3.5	718	0.2
Ida.	2,290	0.9	5,296	2.1
Ill.	33,716	1.9	5,896	0.3
Ind.	(d)	-	3,299	0.7
Ia.	69,124	8.1	15,636	1.9
Kans.	18,546	3.4	5,006	0.9
Ky.	22,122	4.4	3,982	0.8
La.	18,011	1.9	9,285	1.0
Me.	14,872	10.4	1,574	1.1
Md.	86,935	4.8	6,189	0.3
Mass.	*	*	*	*
Mich.	*	*	*	*
Minn.	28,292	5.3	929	0.2
Miss.	-	-	2,304	0.8
Mo.	20,964	7.9	6,277	2.4
Mont.	2,000	1.7	1,600	1.3
Nebr.	5,930	5.7 <i>L2</i>	1,767	1.7
Nev.	200	0.2	1,330	1.1
N.H.	*	*	*	*
N.J.	6,284	0.6	4,995	0.5
N.M.	9,837	3.4	1,545	0.5
N.Y.	100,000	2.0	45,000	0.9
N.C.	47,914	5.3	6,483	0.7
N.D.	292	0.2 <i>L1</i>	2,348	1.5
Ohio	57,845	8.7	1,351	0.2
Okla.	*	*	*	*
Ore.	13,319	4.3	1,522	0.5
Pa.	54,627	6.8	5,378	0.7
R.I.	13,000	3.6	2,000	0.5
S.C.	42,011	12.5	5,953	1.8
S.D.	*	*	*	*
Tenn.	6,004	0.7	5,059	0.6
Tex.	21,000	3.0	5,800	0.8
Utah	3,600	1.4	860	0.3
Vt.	1,400	0.7	2,000	1.0
Va.	28,987	5.8	3,668	0.7
Wash.	8,000	1.8	6,000	1.3
W. Va.	11,300	3.8	2,500	0.8
Wisc.	68,927	5.2	(h)	-
Wyo.	615	2.0	750	2.5 <i>H</i>
P.R.	10,000	2.3	2,400	0.5
V.I.	2,000	3.5	1,200	2.1

3 = no travel

TABLE 5-2. LABORATORY EXPENDITURES BY MAJOR PURPOSE
(Continued)

*

	Expenditures for Personnel Benefits	% of Total Expenditures for Personnel Benefits	Other Expenditures	% of Total For Other Expenses
Ala.	\$ -	-	\$ 73,034	8.1
Alaska	15,339	5.8	53,710	20.4
Ariz.	-	-	968	0.3
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	57,342	3.8	87,653	5.7
Del.	-	-	23,818	19.9
D.C.	*	*	*	*
Fla.	-	-	242,906	22.1
Ga.	93,283	9.0	-	-
Hawaii	3,530	1.2	4,083	1.4
Ida.	19,803	7.8	8,787	3.4
Ill.	-	-	540,711 (e)	30.2
Ind.	-	-	-	-
Ia.	60,272	7.1	74,896	8.8
Kans.	-	-	222,568 (f)	40.4
Ky.	37,584	7.4	66	-
La.	-	-	59,880	6.3
Me.	7,488	5.2	5,661	3.9
Md.	2,880	0.1	336,659	18.6
Mass.	*	*	*	*
Mich.	*	*	*	*
Minn.	37,123	6.9	26,275	4.9
Miss.	13,817	4.6	-	-
Mo.	-	-	11,581	4.4
Mont.	7,380	6.1	-	-
Nebr.	2,205 (g)	2.1	840	0.8
Nev.	-	-	-	-
N.H.	*	*	*	*
N.J.	93,773	8.9	128,213	12.2
N.M.	15,891	5.6	61,498	21.6
N.Y.	-	-	406,704	8.0
N.C.	16,562	1.9	74,135	8.2
N.D.	1,278	0.8	10,599	6.7
Ohio	2,420	0.4	62,806	9.5
Okla.	*	*	*	*
Ore.	-	-	40,598	13.1
Pa.	-	-	26,368	3.2
R.I.	22,000	6.1	22,000	6.1
S.C.	-	-	3,908	1.1
S.D.	*	*	*	*
Tenn.	51,420	5.7	29,112	3.2
Tex.	-	-	38,000	5.5
Utah	14,474	5.6	21,928	8.5
Vt.	-	-	7,252	3.8
Va.	-	-	26,432	5.3
Wash.	27,368	6.1	69,981	15.6
W. Va.	-	-	-	-
Wisc.	-	-	35,783	2.7
Wyo.	2,100	6.8	350	1.1
P.R.	-	-	-	-
V.I.	-	-	4,241	7.4

77 = no funds.
49

TABLE 5-3. SOURCES OF LABORATORY FUNDS

	Expenditures	State Contribution	Percent Contributed by State	Federal and Other Contributions (i)	Percent Contributed by Federal and Other
Ala.	\$ 899,258	\$ 816,936	90.9	\$ 82,322	9.1
Alaska	263,828	226,276	85.8	37,552	14.2
Ariz.	308,972	269,124	87.1	39,848	12.9
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	331,938	262,980	79.2	68,958	20.8
Conn.	1,520,741	1,354,922	89.1	165,819	10.9
Del.	119,693	70,903	59.2	48,790	40.8
D.C.	*	*	*	*	*
Fla.	1,097,548	830,093	75.7	267,455	24.3
Ga.	1,040,718	*	*	*	*
Hawaii	298,982	259,223	86.7	39,759	13.3
Ida.	254,504	200,809	78.9	53,695	21.1
Ill.	1,790,194	1,718,271	96.0	71,923	4.0
Ind.	473,866	423,792	89.4	50,074	10.6
Ia.	848,984	715,082	84.2	133,902	15.8
Kans.	550,832	358,111	65.0	192,721	35.0
Ky.	507,002	381,095	75.2	125,907	24.8
La.	946,812	868,026	91.7	78,786	8.3
Me.	143,638	104,724	72.9	38,914	27.1
Md.	1,812,334	1,748,199	96.5	64,135	3.5
Mass.	*	*	*	*	*
Mich.	3,581,808	*	*	*	*
Minn.	535,720	350,156	65.4	185,564	34.6
Miss.	301,080	189,978	63.1	111,102	36.9
Mo.	264,721	227,277	85.9	37,444	14.1
Mont.	120,005	96,155	80.1	23,850	19.9
Nebr.	104,639	54,159	51.8	50,480	48.2
Nev.	114,827	101,827	88.7	13,000	11.3
N.H.	*	*	*	*	*
N.J.	1,053,802	778,784	73.9	275,018	26.1
N.M.	284,893	201,927	70.9	82,966	29.1
N.Y.	5,048,957	4,002,831	79.3	1,046,126	20.7
N.C.	899,629	684,673	76.1	214,956	23.9
N.D.	157,588	72,803	46.2	84,785	53.8
Ohio	661,200	458,745	69.4	202,455	30.6
Okla.	*	*	*	*	*
Ore.	310,812	217,425	70.0	93,387	30.0
Pa.	808,837	659,137	81.5	149,700	18.5
R.I.	362,000	327,000	90.3	35,000	9.7
S.C.	336,399	218,475	64.9	117,924	35.1
S.D.	*	*	*	*	*
Tenn.	897,402	805,051	89.7	92,351	10.3
Tex.	697,800	478,640	68.6	219,160	31.4
Utah	258,865	195,082	75.4	63,783	24.6
Vt.	193,000	182,617	94.6	10,383	5.4
Va.	498,626	476,524	95.6	22,102	4.4
Wash.	449,350	405,700	90.3	43,650	9.7
W. Va.	301,818	220,601	73.1	81,217	26.9
Wisc.	1,314,945	1,005,199	76.4	309,746	23.6
Wyo.	30,800	23,610	76.7	7,190	23.3
P.R.	442,716	440,716	99.5	2,000	0.5
V.I.	57,438	57,438	100.0	-	-

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TABLE 5-4. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE

	General Health	Tuberculosis	Cancer	Heart	Chronic Diseases	Radiological Monitoring
Ala.	\$ 8,405	\$ 3,570	\$ -	\$ 29,808	\$ -	\$ -
Alaska	24,052	-	-	-	-	-
Ariz.	-	-	-	10,000	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	68,958	-	-
Conn.	8,985	10,456	-	60,848	5,191	7,997
Del.	-	-	21,313	12,864	-	-
D.C.	*	*	*	*	*	*
Fla.	53,068	-	-	14,913	-	-
Ga.	*	*	*	*	*	*
Hawaii	28,906	-	-	10,853	-	-
Ida.	-	2,872	-	26,168	-	3,764
Ill.	11,557	37,865	-	13,561	-	-
Ind.	32,097	-	-	-	-	-
Ia.	-	8,800	-	40,894 (j)	(j)	23,440
Kans.	112,293	-	-	-	-	-
Ky.	36,593	16,936	-	34,807	-	-
La.	-	7,009	27,286	21,080	-	6,589
Me.	5,307	6,443	-	21,572	-	-
Md.	-	-	9,000	-	-	-
Mass.	*	*	*	*	*	*
Mich.	*	*	*	*	*	*
Minn.	22,115	37,960	-	38,376	-	-
Miss.	15,727	-	-	50,526	9,528	-
Mo.	37,444	-	-	-	-	-
Mont.	9,300	7,400	-	-	-	-
Nebr.	18,533	13,820	-	1,545	-	-
Nev.	1,000	7,000	-	1,000	-	-
N.H.	*	*	*	*	*	*
N.J.	49,084	5,754	23,430	11,549	-	-
N.M.	-	12,625	-	7,000	1,441	-
N.Y.	77,000	-	50,126	112,000	5,000	157,000
N.C.	16,842	8,819	32,102	86,603	30,936	19,250
N.D.	15,210	6,400	-	37,058	-	8,973
Ohio	65,482	16,718	15,827	36,538	10,516	2,149
Okla.	*	*	*	*	*	*
Ore.	19,361	3,863	-	28,878	-	-
Pa.	48,000	-	-	101,700	-	-
R.I.	-	-	11,000	3,000	7,000	-
S.C.	67,643	-	-	32,264	-	-
S.D.	*	*	*	*	*	*
Tenn.	30,000	28,000	-	9,351	-	-
Tex.	219,160	-	-	-	-	-
Utah	-	16,528	-	33,346	4,196	-
Vt.	6,582	-	-	3,801	-	-
Va.	-	-	-	22,102	-	-
Wash.	-	-	-	8,000	-	-
W. Va.	30,547	14,870	-	22,540	-	-
Wisc.	-	-	29,145	-	-	10,195
Wyo.	-	3,125	-	4,065	-	-
P.R.	-	-	-	2,000	-	-
V.I.	-	-	-	-	-	-

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TABLE 5-4. FEDERAL CONTRIBUTIONS TO LABORATORY FUNDS BY PRINCIPAL PURPOSE
(Continued)

	Water Pollution	Maternal and Child Health	Air Pollution	Other Federal Grants	Non-Federal, Non-State, Sources
Ala.	\$ -	\$ 40,539	\$ -	\$ -	\$ -
Alaska	-	-	-	-	13,500 (k)
Ariz.	8,225	21,623	-	-	-
Ark.	-	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	-	38,518	25,114	8,710	-
Del.	-	8,698	-	-	5,915
D.C.	*	*	*	*	*
Fla.	-	21,474	-	-	178,000
Ga.	*	*	*	*	*
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	20,891 (l)
Ill.	-	-	-	-	8,940 (m)
Ind.	15,750	-	-	-	2,227 (n)
Ia.	13,330	-	-	47,438	-
Kans.	-	-	-	80,428 (o)	-
Ky.	-	37,571	-	-	-
La.	-	-	-	-	16,822 (p)
Me.	-	5,592	-	-	-
Md.	-	-	43,939	9,309 (q)	1,887 (r)
Mass.	*	*	*	*	*
Mich.	*	*	*	*	*
Minn.	-	50,286	-	32,964	3,863
Miss.	-	-	-	-	35,321 (s)
Mo.	-	-	-	-	-
Mont.	-	7,150	-	-	-
Nebr.	14,377	-	-	2,205	-
Nev.	-	4,000	-	-	-
N.H.	*	*	*	*	*
N.J.	28,003	55,243	-	101,955 (t)	-
N.M.	31,300	7,600	23,000	-	-
N.Y.	26,000	108,000	22,000	-	489,000 (u)
N.C.	-	-	-	-	20,404 (v)
N.D.	1,933	4,444	-	-	10,767 (w)
Ohio	18,022	33,203	-	2,000 (x)	2,000 (y)
Okla.	*	*	*	*	*
Ore.	-	1,120	-	26,688 (1)	13,477 (z)
Pa.	-	-	-	-	-
R.I.	-	14,000	-	-	-
S.C.	-	18,017	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	25,000	-	-	-
Tex.	-	-	-	-	-
Utah	9,713	-	-	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	16,000	-	17,250 (aa)	2,400 (bb)
W. Va.	-	13,260	-	-	-
Wisc.	48,500	14,500	-	24,376 (cc)	183,030 (dd)
Wyo.	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	-

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SECTION V. FOOTNOTES

- (a) Estimated population as of July 1, 1966. Information taken from: Statistical Abstract of the United States: 1967. U. S. Bureau of the Census. (88th Edition) Washington, D.C., 1967, p. 12.
- (b) Figures represent the latest complete fiscal year, July 1, 1966-June 30, 1967, with these exceptions: Alabama, 10/1/67-9/30/68, New York, 4/1/67-3/31/68, and Texas, 8/1/66-8/1/67.
- (c) Includes \$26,652,429 for Mental Health Program.
- (d) Includes only salaries and travel. Other operating expenses are not broken down by program and are not available.
- (e) This figure includes contractual services, printing, Illinois Blood Bank Act, PKU Act, federal programs, medicare program fund, Illinois Clinical Laboratories, and Accidental Death Blood Tests.
- (f) This includes \$193,603 for a temporary laboratory.
- (g) Represents training funds.
- (h) Included in Supplies.
- (i) Obtained by deducting State contribution from total expenditures.
- (j) Figure includes Heart and Chronic Diseases.
- (k) SNHS Contract.
- (l) Mental Retardation.
- (m) Medicare Program Fund.
- (n) Medical Care.
- (o) Office of Emergency Planning.
- (p) Community Study on Pesticides.
- (q) NIH
- (r) Tissue Culture Training.
- (s) T.B. Special Project
- (t) EE, 95,955; DEL, 6000.
- (u) Research grants.
- (v) TB Special Project, 18,703; Special Training Project Grant, 1,701.
- (w) Training Course, 1,680; Indian Health, 9,087.
- (x) H.I.
- (y) Salmonella - Special Project Funds.
- (z) Medicare - Certification.
- (aa) HIB
- (bb) Training Grant
- (cc) Occupational Health
- (dd) Evaluation

SECTION VI
INTRASTATE EVALUATION OF LABORATORIES

TABLE 6-1. INTRASTATE EVALUATION OF LABORATORIES: SUMMARY

Type of Program (a)	No. of Labs Covered	Program Covering Personnel:		Procedures Covered:					
		Type # Directors Covered	# Technicians Covered	Clin. Chem.	Hema.	Immuno. Hemat.	Sero(a)	Micro	Other
Ala.	L	56	-	-	-	-	X-M	-	-
Alaska	P,A (b)	7	-	-	-	-	X-MN	-	X (b)
Ariz.	A	141	-	-	-	-	X	-	-
Ark.	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*
Colo.	P	80	-	-	-	-	X	-	-
Conn.	L	*	-	-	-	-	-	X	X (c)
Del.	P	15	-	-	-	-	X	-	-
D.C.	*	*	*	*	*	*	*	*	*
Fla.	R	435 (d)	L	*	*	-	-	-	-
Ga.	L	125	-	-	-	-	X	-	-
Hawaii	A	37	L	44 (e)	393 (e)	-	-	X-MN	-
Ida.	A	54	-	-	-	-	X	-	-
Ill.	L,A	*	-	-	-	-	X	X	X (f)
Ind.	A	123	-	-	-	-	X	-	-
Ia.	A	126	-	-	-	-	X	X	X (f)
Kans.	A	109	-	-	-	-	X	-	-
Ky.	A	204	A	204	*	-	-	X	-
La.	*	*	*	*	*	*	*	*	*
Me.	L (g)	(g)	-	-	-	-	-	-	-
Md.	P	132	-	-	-	-	X	X	-
Mass.	*	*	*	*	*	*	*	*	*
Mich.	R (h)	401	-	-	-	-	X	-	-
Minn.	-	-	-	-	-	-	-	-	-
Miss.	A	131 (i)	-	-	-	-	X	X	X (j)
Mo.	A	263	-	-	-	-	X	-	X (j)
Mont.	R,A (k)	57	-	-	-	-	X	-	(k)
Nebr.	A	45	-	-	-	-	X	-	-
Nev.	L (l)	50	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-	-
N.J.	L,A,R (m)	280	-	-	-	-	X	X	-
N.M.	A,R (n)	85	(n)	-	-	-	-	X	-
N.Y.	P	430	(o)	(o)	-	-	X	X	X (j)
N.C.	A	251	-	-	-	-	X	-	X (j)
N.D.	*	*	*	*	*	*	*	*	*
Ohio	A	298	-	-	-	-	X	X	-
Okla.	*	*	*	*	*	*	*	*	*
Ore.	A,R	158 (p)	-	-	-	-	X	-	X (q)
Pa.	*	*	*	*	*	*	*	*	*
R.I.	L,A	38 (r)	-	-	-	-	X	X	-
S.C.	V	14	-	-	-	-	X-S	-	X (c)
S.D.	*	*	*	*	*	*	*	*	*
Tenn.	A	165	-	-	-	-	X	-	-
Tex.	A	1,386	-	-	-	-	X-S	-	-
Utah	A	38	-	-	-	-	X-S	-	X (q)
Vt.	L	7	L	-	7	-	X-MN	-	-
Va.	A	141	-	-	-	-	X	-	-
Wash.	A,R	345 (s)	-	-	-	-	X	-	-
W. Va.	A	*	-	-	-	-	X-S	-	X (j)
Wisc.	A	*	-	-	-	-	X	X	X (f)
Wyo.	A	41	-	-	-	-	X	-	-
P.R.	R	152	-	-	-	-	X	X	X (t)
V.I.	-	-	-	-	-	-	-	-	-

TABLE 6-2. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: CLINICAL CHEMISTRY AND HEMATOLOGY

	Clinical Chemistry				Hematology			
	No. of labs. Participating	No. of labs. in Conformance	No. of shpts./lab. in evaluation	No. of specimens per shpt.	No. of labs. Participating	No. of labs. in Conformance	No. of shpts./lab. in evaluation	No. of specimens per shpt.
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	50	33	1 (u)	3-5	50	46	1 (u)	3
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	67	*	4	3-4	-	-	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-
Md.	81	81	7	1	-	-	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	50	(v)	12	1	50	(v)	12	1
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	137	-	-	-	111	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	390	337	1-2 (w)	2-5 (w)	399	387	2	2-4 (x)
N.C.	-	-	-	-	-	-	-	-
N.D.	*	*	*	*	*	*	*	*
Ohio	112 (y)	110	1	5	176	155	1	5
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	*	*	*	*	*	*	*	*
R.I.	23	23	1	6	23	22	-	-
S.C.	14	(z)	2	12	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	138	(aa)	12	5-20	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	95	76	9	1	127	36	3	1
V.I.	-	-	-	-	-	-	-	-

TABLE 6-3. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: IMMUNOHEMATOLOGY AND SEROLOGY

	Immunohematology				Serology			
	No. of labs. Participating	No. of labs. in Conformance	No. of evaluation shpts./lab.	No. of specimens per shpt.	No. of labs. Participating	No. of labs. in Conformance	No. of evaluation shpts./lab.	No. of specimens per shpt.
Ala.	-	-	-	-	56	56	*	*
Alaska	-	-	-	-	4	4	5	20
Ariz.	-	-	-	-	141	135	100	10
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	80	80	5	20
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	15	15	10	10
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	125	117	10	20
Hawaii	-	-	-	-	37	37	1	10
Ida.	-	-	-	-	54	54	2	25
Ill.	524	479	2	3	525	494	2-4	5
Ind.	-	-	-	-	123	123	12	8
Ia.	-	-	-	-	79	79	10	23
Kans.	-	-	-	-	109	104	10	10
Ky.	-	-	-	-	204	185	6	14-18
La.	-	-	-	-	*	*	-	-
Me.	-	-	-	-	-	-	-	-
Md.	-	-	-	-	97	*	1	10
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	296	4	4	10
Minn.	-	-	-	-	-	-	-	-
Miss.	50	(v)	12	1	131	(v)	5	10
Mo.	-	-	-	-	221	219	10	10
Mont.	-	-	-	-	52	52	2	10
Nebr.	-	-	-	-	45	*	(bb)	(bb)
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	175	-	-	-	252	-	-	-
N.M.	-	-	-	-	85	85	10	10
N.Y.	366	360	1	4-5 (cc)	282 (dd)	267 (dd)	1	3-10 (dd)
N.C.	-	-	-	-	199	199	10	10
N.D.	*	*	*	*	*	*	*	*
Ohio	-	-	-	-	304	304	10	5
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	136	136	2	15
Pa.	*	*	*	*	*	*	*	*
R.I.	19	17	-	-	20	20	2	20
S.C.	-	-	-	-	33	(z)	*	*
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	165	162	10	10
Tex.	-	-	-	-	1,386	1,376	4	5
Utah	-	-	-	-	30	30	10	5
Vt.	-	-	-	-	7	7	1	10
Va.	-	-	-	-	141	141	75	15
Wash.	-	-	-	-	130	121	6	10
W. Va.	-	-	-	-	120	120	5	20
Wisc.	-	-	-	-	99	87	10	10
Wyo.	-	-	-	-	41	41 (ee)	-	-
P.R.	-	-	-	-	118	114	*	10
V.I.	-	-	-	-	-	-	-	-

TABLE 6-4. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: MICROBIOLOGY

	No. of labs. Participating	No. of labs. in Conformance	No. of Evaluation Shipments per Laboratory	No. of Specimens per shipment	Remarks
Ala.	-	-	-	-	
Alaska	-	-	-	-	
Ariz.	-	-	-	-	
Ark.	*	*	*	*	
Cal.	*	*	*	*	
Colo.	-	-	-	-	
Conn.	95	86	1	5	
Del.	-	-	-	-	
D.C.	*	*	*	*	
Fla.	-	-	-	-	
Ga.	-	-	-	-	
Hawaii	-	-	-	-	
Ida.	-	-	-	-	
Ill.	407/154	386/53	2-4/2	5/2	TB Smear/TB Culture
Ind.	-	-	-	-	
Ia.	31	*	3	3-4	
Kans.	-	-	-	-	
Ky.	-	-	-	-	
La.	-	-	-	-	
Me.	-	-	-	-	
Md.	83	24	3	2	
Mass.	*	*	*	*	
Mich.	-	-	-	-	
Minn.	-	-	-	-	
Miss.	-	-	-	-	
Mo.	-	-	-	-	
Mont.	-	-	-	-	
Nebr.	-	-	-	-	
Nev.	-	-	-	-	
N.H.	-	-	-	-	
N.J.	-	-	-	-	
N.M.	-	-	-	-	
N.Y.	343	313	1	2 (ff)	
N.C.	-	-	-	-	
N.D.	*	*	*	*	
Ohio	137/100	83/79	1	5	General/Enterics
Okla.	*	*	*	*	
Ore.	-	-	-	-	
Pa.	*	*	*	*	
R.I.	19	19	1	10	
S.C.	-	-	-	-	
S.D.	*	*	*	*	
Tenn.	-	-	-	-	
Tex.	60	(gg)	-	-	
Utah	-	-	-	-	
Vt.	-	-	-	-	
Va.	-	-	-	-	
Wash.	-	-	-	-	
W. Va.	-	-	-	-	
Wisc.	82	(aa)	6	1	
Wyo.	-	-	-	-	
P.R.	30/105	27/79	1/2	3/3	Micro./Parasitology
V.I.	-	-	-	-	

TABLE 6-5. PARTICIPATION IN INTRASTATE EVALUATION PROGRAM: OTHER DISCIPLINES

Discipline	No. of labs. Participating	No. of labs. in Conformance	No. of Evaluation shipments per lab.	No. of specimens per shipment
Ala.	-	-	-	-
Alaska Seafood/milk	1/2	1/2	(hh)/2	-/24
Ariz.	-	-	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn. milk:dairy ind./munic. labs.	9/4	*	2/1	(ii)
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	-	-	-	-
Ga.	-	-	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill. PKU;Guthrie/Quant.	78/41	74/41	2-4/2	4/4
Ind.	-	-	-	-
Ia. PKU	23	23	4	12
Kans.	-	-	-	-
Ky.	-	-	-	-
La.	-	-	-	-
Me.	-	-	-	-
Md.	-	-	-	-
Mass.	*	*	*	*
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo. Milk/Water Bact.	13/29	13/29	2/-	12/-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y. Mycology/Parasitology	101/167	74/167	1/1	15/9
N.C. Water/Milk	14/38	14/38	-/1	-/10
N.D.	*	*	*	*
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore. Water	5	5	1	10
Pa.	*	*	*	*
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex. Parasitology	133	(gg)	5	5
Utah Water	*	*	(jj)	(jj)
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W. Va. Milk/Water	11/11	11/10	2/-	12/-
Wisc. PKU	78	(aa)	12	3-6
Wyo.	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

SECTION VI. FOOTNOTES

- (a) Code: L-Licensure; P-Permit; R-Registration; A-Approval; V-Voluntary; M-Premarital; N-Prenatal; S-Syphilis.
- (b) Permit - Seafood Laboratory; Approval - premarital and prenatal serology and milk laboratories (Procedures covered include seafood and milk.)
- (c) Milk.
- (d) A total of 435 laboratories applied for registration under the new Clinical Laboratory Law. 110 laboratories have been approved under Medicare. No other information is available at this time.
- (e) All laboratory directors and all laboratory technicians must be licensed.
- (f) PKU.
- (g) Licensure program for independent clinical laboratories only. This program has not yet been activated.
- (h) In Michigan all public laboratories performing tests for the diagnosis or control of infectious disease are required by Act 45 of Public Acts 1931 to register with the Michigan Department of Public Health.
- (i) Syphilis serology total.
- (j) Milk and water bacteriology.
- (k) STS and PKU only. Microbiology is planned. For others Montana will require use of internal quality control and services of CAP or AAB for proficiency testing.
- (l) Evaluation program is in the process of being established.
- (m) Licensure - Blood Banks. Approval - Syphilis Serology. In New Jersey, the licensing of bio-analytical laboratory directors and registration of bio-analytical laboratories are functions of the Board of Medical Examiners, a professional board in the Department of Law and Public Safety. This is pursuant to the Bio-analytical Laboratory Act of 1953.
- (n) Laboratory is approved. Director must meet certain requirements and possess a doctorate degree.
- (o) All directors of laboratories holding permits must have certificate of qualification. Under "procedures covered" serology includes general and syphilis; microbiology includes bacteriology, mycology, and parasitology.
- (p) 141 approved and 17 registered only.
- (q) Water.
- (r) Approval program covers premarital and prenatal syphilis serology and includes 38 laboratories. 30 laboratories are licensed.
- (s) 130 approved in serology.
- (t) Parasitology.
- (u) These were on-site evaluations and were repeated as needed.
- (v) Undetermined.
- (w) The following consisted of one shipment of 2 specimens each: cholesterol, total protein, electrolyte, enzymes, and FBI. Two shipments were made of each of the following with specimens as indicated: glucose, 4; urea nitrogen, 4; uric acid, 5.
- (x) Hemoglobin, 4 specimens; Differentials, 2.
- (y) This represents Glucose. In addition, the following evaluations were reported: C.A.P. kit I, 1 shipment of 2 specimens to 83 laboratories with 64 in conformance; C.A.P. kit II, 1 shipment of 2 specimens to 94 laboratories with 72 in conformance.

- (z) Voluntary participation.
- (aa) No standards.
- (bb) During FY 1967 only special check samples and visitations were made. Ten laboratories were involved and 15 to 25 samples per laboratory were provided.
- (cc) ABO Blood Grouping and Rh typing, 4 specimens per shipment; compatibility testing, 5 specimens.
- (dd) These figures represent general serology. In syphilis serology, 246 laboratories participated and 238 were in conformance. Number of specimens per shipment: syphilis, 10; bacterial agglutinations, 6 (maximum), infectious mononucleosis, 3; rheumatoid arthritis, 3; C-reactive protein, 3; antistreptolysin O, 3.
- (ee) Based on request for approval; no evaluation studies conducted.
- (ff) 2 specimens of smears (Gc) carried by investigator; and 4 specimens each category II & III and mycobacteriology.
- (gg) Voluntary program. Satisfactory rating provided.
- (hh) Workshop held.
- (ii) Evaluation studies in the following areas: standard plate count, coliform determination, thermotolerant bacterial count, tests for bacterial inhibitors, phosphatase tests, and tests for abnormal milk.
- (jj) Water bacteriology certification is determined by laboratory reviews, adherence to standard methods, split-sample testing.

SECTION VII

PRODUCTION OF BIOLOGICS AND REAGENTS

TABLE 7-1. STATES PRODUCING BIOLOGICS AND REAGENTS

	Biologics	Antisera	Antigens	Solutions
"X"--Indicates Production				
Ala.	-	-	-	-
Alaska	-	-	-	-
Ariz.	-	X	-	-
Ark.	*	*	*	X
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	X	X	X	-
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	-	-	-	*
Ga.	X	-	X	-
Hawaii	-	-	X	X
Ida.	-	-	-	-
Ill.	X	X	X	-
Ind.	-	X	X	-
Ia.	-	-	-	X
Kans.	X	-	-	-
Ky.	-	-	-	-
La.	-	-	X	X
Me.	-	-	-	-
Md.	-	-	-	-
Mass.	*	*	*	*
Mich.	X	X	X	-
Minn.	X	X	-	-
Miss.	X	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	X	X	-
N.M.	-	-	-	-
N.Y.	-	X	X	-
N.C.	-	-	-	X
N.D.	-	-	-	-
Ohio	-	X	X	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	X
Tenn.	X	-	X	*
Tex.	X	X	X	X
Utah	-	-	-	X
Vt.	-	-	-	-
Va.	X	-	-	-
Wash.	-	-	-	-
W.Va.	-	-	-	-
Wisc.	-	-	X	-
Wyo.	-	X	X	X
P.R.	-	-	-	X
V.I.	-	-	-	-

TABLE 7-2. PRODUCTION OF BIOLOGICS FOR HUMAN USE

(Amounts Produced in mls)

Conn.	Silver Nitrate, 44,470		Pertussis Vaccine, 1,632
Ga.	Old Tuberculin (a), 89,300		Diphtheria Toxoid, 6,258
	PPD (a), 24,300		Diphtheria-Tetanus Toxoid, 77,675
			Diphtheria-Tetanus - Pertussis, 243,875
Ill.	Typhoid Vaccine, 126,670		Tetanus Toxoid, 75,240
	Pertussis Vaccine, 10,354		Old Tuberculin, 20,110
	Diphtheria Toxoid, 10,590		Silver Nitrate, 16,342
	Diphtheria-Tetanus Toxoid, 71,405		Schick Test Toxin, 1,948
	Diphtheria-Tetanus-Pertussis, 145,252		Rabies Vaccine, 799 treatments
	Old Tuberculin, 34,200		Tetanus and Diphtheria Toxoids, 137,070
	Silver Nitrate, 59,250		
	Fluoride, 643 pkgs. (enough for 154,320 ml. sol.)	Virginia	Old Tuberculin, 56,072
	Schick Test Material, 7,358		Topical Fluoride Gel, 270,750
	Rabies Vaccine, 32,830		
	PPD, 85,700		
	Diphtheria-Toxoid-Pertussis, 6,670		
Kans.	Fluoride-Dental, 1,400		
	Ferric Chloride, 400		
Mich.	(Amounts in Doses)		
	Typhoid Vaccine, 38,841		
	Smallpox Vaccine, 959,530		
	Pertussis Vaccine, 23,650		
	Diphtheria Antitoxin, 105		
	Diphtheria-Tetanus Toxoid, 298,300		
	Diphtheria-Tetanus-Pertussis, 711,830		
	Tetanus Toxoid, 725,535		
	Old Tuberculin, 1,389,600		
	Silver Nitrate, 287,280		
	Fluoride, 156,200		
	AHF-Rich Fibrinogen, 242		
	Antihemophilic Globulin, 231		
	Dried Fibrinogen (Human), 722		
	Tetanus Immune Globulin (Human), 104		
	Immune Serum Globulin, 169,764		
	Normal Serum Albumin, 25,303		
	Tetanus Antitoxin, 12,008		
	Diphtheria Toxin (Schick), 58,000		
	Diphtheria-Tetanus-Polio, 43,200		
	Histoplasmin, 49,615		
	Diphtheria-Tetanus-Pertussis-Polio, 224,460		
	Normal Horse Serum, 18,000		
	Normal Rabbit Serum, 400		
	Rabies Vaccine, 8,995		
	Tetanus-Diphtheria (Adult), 168,280		
	Typhoid Vaccine, 118,440		
	Water, Double Distilled, 500		
Minn.	Old Tuberculin, 138,000		
Miss.	Silver Nitrate, 13,565 ampules		
Tenn.	Typhoid Vaccine, 61,780		
	Tetanus Toxoid, 64,240		
	Old Tuberculin, 37,780 (1-200 dilution)		
	Silver Nitrate, 20,344 ampules		
Texas	Typhoid Vaccine, 244,880		
	Smallpox Vaccine, 354,160 points		

(a) Diluted and dispensed only.

TABLE 7-3. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTISERA

		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Ariz.	Control Sera	3,300	3,300
	P.M. Eval. Sera	14,750	14,750
Conn.	Salmonella H		25
	<u>Pasteurella Tularensis</u>	98	
	Streptococcus Group A	554	
	Streptococcus Group B		1
	Streptococcus Group C	102	
	Streptococcus Group D		1
	Streptococcus Group A Conjugate	131	18
	Normal Rabbit Serum		165
Ill.	Salmonella	142	
	Shigella	494	
	<u>E. Coli</u>	114	
Ind.	Antihistoplasmin	210	
	Antiblastomycin	60	
Mich.	39 Types		2,374
Minn.	Salmonella HI-0	325	
	Shigella	325	
N.J.	Calif (M-65-1086)	250	
	Calif (BFS-283)	250	
	Calif (NJO-94F)	200	
	Calif (LAX-177)	50	
	EE	150	
	WE	150	
	SLE	150	
N.Y.	<u>Br. Abortus</u> Diag. Serum	1,250	
	<u>Past. Tularensis</u> Diag. Serum	550	
	Proteus OX19 Diag. Serum	200	
	Normal Rabbit Diag. Serum	500	
Ohio	California Virus	100	10
	Ascitic Fluid-Flanders Hart Park	30	
Texas	Reactive Control Serum-Syphilis	2,700	2,510
	Weakly Reactive Control-Syphilis	500	425
	FTA Non-Specific Control Serum	200	50
Wyo.	Syphilitic Control	180	180

TABLE 7-4. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTIGENS

		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Conn.	<u>Pasteurella Tularensis</u>	1,000	
	VDRL Antigen	10,082	5,688
Ga.	Rabid Mouse Brain Suspension	135	
	Normal Mouse Brain Suspension	150	
	Misc. Viral Antigens	650	
Hawaii	Coxsackie B-4	50	
	Coxsackie B-5	20	
	ECHO-4	50	
	ECHO-6	50	
	ECHO-9	50	
Ill.	Guinea Pig (Kidney Desiccated)	1,080	
Ind.	Histo-Yeast Phase	385	
	Histo-Mycelial Phase	430	
	Blastomyces	60	
La.	Hemolysin		125
Mich.	6 Types		622
N.J.	Calif (M-65-1086)	270	
	Calif (BFS-283)	280	
	Calif (NJO-94F)	260	
	EE	150	
	WE	150	
	SLE	150	
	Mumps, Viral	580	
	Mumps, Soluble	225	
	Influenza	400	
N.Y.	Antisheep Amboceptor		55 (a)
	Cardiolipin Antigen for CF		
	Tests for Syphilis		465 (a)
	Cardiolipin Antigen for Slide		
	Floc. Test for Syphilis	2,000	
	VDRL Diluent	12,750	
<u>Salmonella Typhosa Formalin-</u> Treated Suspension	4,400		
Ohio	California Virus CF	10	
	Flanders Hart Park CF	10	
	Mumps Soluble CF	50	
	Influenza A-CF	50	5
	Influenza B-CF	50	5
Tenn.	Typhoid (0)	500	150
	Brucella	500	150
	Pasteurella	500	150
	Proteus OX19	500	150
Texas	VDRL	4,000	3,920
Wisc.	Influenza A	540	
	Influenza B	240	

(a) Distributed in New York State. Routine distribution discontinued July 1, 1966.

TABLE 7-4. PRODUCTION OF DIAGNOSTIC REAGENTS: ANTIGENS
(Continued)

		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
	Parainfluenza 1	600	
	Parainfluenza 3	240	
Wyo.	Tularemia	15	
	Paratyphoid B	30	

TABLE 7-5. PRODUCTION OF DIAGNOSTIC REAGENTS: SOLUTIONS

		Amount Produced (in mls)	Amount Distributed to Other Laboratories (mls)
Ariz.	Stains and Media	1,914,458	
Ga.	Miscellaneous	1,471,000	
Ind.	Colloidal Gold	34,000	
	Physiol. Saline	300,000	
	Veronal Buffer	7,500	
La.	Normal Saline	25,000	15,000
	Distilled Water	300,000	279,800
	Ferric Chloride	500 Bottles	336 Bottles
	Copper Sulphate	1,000 Bottles	582 Bottles
	Phenol-Red	30,000 Bottles	21,716 Bottles
N.Y.	Colloidal Gold Solution	468,000	
	Buffer pH 7.4	104,000	
	Buffer pH 5.5	3,000	
	Protein Standard for Spinal Fluid Test		70 (a)
	Colloidal Gold Test Fluid	1,200	
	Other: Lyophilized Reactive Control Serum for Syphilis	251	
S.C.	Drabkins (Amt. Unknown)		
Tenn.	Ferric Chloride-10%	25,000	12,360
	Buffered P.S.S.	255,000	125,500
	Physiological Saline	700,000	358,800
	VDRL Saline	50,000	37,780
	Sterile Distilled Water	900,000	797,370
Texas	Sheep Blood for Bact.	83,400	53,000
	Sheep Blood for Sero.	39,600	26,400
	VDRL Buf. Saline	40,000	28,779
	FTA Sorbent	2,840	1,538
	Stock Phosphate Buffer	6,000	4,000
Wyo.	Culture Media	463,400	
P.R.	Bacteriological	941,865	
	Chemical	2,209,590	
	Stains	36,700	

(a) In New York State only.

SECTION VIII
DIAGNOSTIC WORKLOAD

TABLE 8-1. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA

	Specimens	Examinations	Positives
Ala.	1,776	7,902	165
Alaska	2	4	-
Ariz.	1	2	-
Ark.	*	*	*
Cal.	*	*	*
Colo.	37	37	-
Conn.	407	407	-
Del.	-	-	-
D.C.	*	*	*
Fla.	12,034	12,034	15
Ga.	613	614	70
Hawaii	13	19	3
Ida.	*	86	-
Ill.	4,209	4,229	4
Ind.	30	60	-
Ia.	190	1,340	-
Kans.	78	80	-
Ky.	38	76	-
La.	*	4,145	207
Me.	8	10	2
Md.	49,048	58,639	-
Mass.	*	*	*
Mich.	3,076	3,135	-
Minn.	2,293	9,197	17
Miss.	230	230	5
Mo.	7	12	-
Mont.	218	233	15
Nebr.	28	36	2
Nev.	29	33	-
N.H.	-	-	-
N.J.	653	654	-
N.M.	*	102	-
N.Y.	29	29	-
N.C.	97	97	-
N.D.	*	536	-
Ohio	2,565	2,572	1
Okla.	*	*	*
Ore.	41	92	1
Pa.	66	64	-
R.I.	1,606	1,606	-
S.C.	*	1,539	51
S.D.	*	*	*
Tenn.	25	25	-
Tex.	1,255	3,426	331
Utah	-	-	-
Vt.	10	30	*
Va.	3,169	3,170	-
Wash.	1,660	3,125	38
W. Va.	13	15	-
Wisc.	-	-	-
Wyo.	-	-	-
P.R.	*	23,882	*
V.I.	-	-	-

TABLE 8-1. DIAGNOSTIC BACTERIOLOGY: DIPHTHERIA
(Continued)

	Direct Smears	Cultures	Toxigenicity		Referred Cultures	FA Primary Cultures	FA Referred Cultures
			in vivo	in vitro			
Ala.	1,091	6,571	15	130	95	-	-
Alaska	2	2	-	-	-	-	-
Ariz.	1	1	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	37	-	-	-	-	-
Conn.	-	407	-	-	-	-	-
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	12,034 (a)	(a)	-	(a)	(a)	-	-
Ga.	-	590	-	-	24	-	-
Hawaii	-	9	3	3	4	-	-
Ida.	-	85	-	1	-	-	-
Ill.	-	4,209	4	4	12	-	-
Ind.	30	30	-	-	-	-	-
Ia.	190	1,140	-	-	10	-	-
Kans.	-	78	1	-	1	-	-
Ky.	38	38	-	-	-	-	-
La.	-	3,978	-	160	-	7	-
Me.	-	5	2	-	3	-	-
Md.	9,562	49,048 (b)	29	-	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	-	3,076	59	-	-	-	-
Minn.	4,586	4,586	23	-	2	-	-
Miss.	-	230	-	-	-	-	-
Mo.	-	7	-	1	4	-	-
Mont.	-	218	-	15	-	-	-
Nebr.	6	22	-	8	-	-	-
Nev.	-	33	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	653	-	-	1	-	-
N.M.	-	102	*	*	*	-	-
N.Y.	28	-	-	-	1	-	-
N.C.	-	97	-	-	-	-	-
N.D.	-	480	-	12	20	12	12
Ohio	-	2,565	1	-	6	-	-
Okla.	*	*	*	*	*	*	*
Ore.	41	40	-	5	1	4	1
Pa.	-	30	-	1	33	-	-
R.I.	-	1,606	-	-	-	-	-
S.C.	737	737	-	65	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	25	-	-	-	-	-
Tex.	-	3,186	6	200	34	-	-
Utah	-	-	-	-	-	-	-
Vt.	10	10	-	-	10	-	-
Va.	-	3,169	-	-	1	-	-
Wash.	-	3,110	10	-	5	-	-
W. Va.	-	13	2	-	-	-	-
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	-	23,851	31	-	-	-	-
V.I.	-	-	-	-	-	-	-

TABLE 8-2. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS

	Specimens	Examinations	Positives
Ala.	27,413	33,845	5,800
Alaska	742	1,146	69
Ariz.	10,559	13,925	1,775
Ark.	*	*	*
Cal.	*	*	*
Colo.	201,934	245,183	38,102
Conn.	200,625	292,515	59,428
Del.	342	1,060	37
D.C.	*	*	*
Fla.	14,089	14,089	-
Ga.	6,805	7,463	234
Hawaii	18,301	22,253	2,627
Ida.	*	17,236	2,076
Ill.	38,082	38,151	143
Ind.	20	41	20
Ia.	16,972	25,310	3,078
Kans.	3,405	4,751	1,157
Ky.	4,414	4,528	995
La.	*	2,039	216
Me.	13,930	17,845	3,581
Md.	49,048	49,048	10,536
Mass.	*	*	*
Mich.	57,053	113,390	21,083
Minn.	118	124	8
Miss.	13,128	26,256	2,114
Mo.	19,107	19,149	5,773
Mont.	858	1,191	305
Nebr.	527	1,358	117
Nev.	*	49	2
N.H.	28,334	38,095	7,827
N.J.	26	30	19
N.M.	*	1,291	269
N.Y.	3,888	3,888	109
N.C.	28,134	35,481 (c)	6,470
N.D.	17,864	21,832	3,939
Ohio	28,345	36,756	7,728
Okla.	*	*	*
Ore.	19,322	27,099	5,333
Pa.	56	88	64
R.I.	17,355	20,270	*
S.C.	*	1,430	115
S.D.	*	*	*
Tenn.	59,578	59,578	13,177
Tex.	2,811	5,656	396
Utah	13,538	17,061	4,034
Vt.	14,822	15,924	3,737
Va.	17,393	19,818	606
Wash.	2,505	3,859	528
W. Va.	9,341	19,263	2,960
Wisc.	49,298	58,444	7,792
Wyo.	23,561	25,978	2,417
P.R.	*	8,772	324
V.I.	1,020	1,362	26

TABLE 8-2. DIAGNOSTIC BACTERIOLOGY: STREPTOCOCCUS
(Continued)

	Cultures	GROUP A		Group A Positives	OTHER GROUPS			Referred Cultures
		Method Used			Method Used	Other	Group Positives	
		FA	Precipitin		FA	Pre- cipitin		
Ala.	27,413	5,581	-	4,949	851	-	851	-
Alaska	674	448	-	61	24	-	8	-
Ariz.	10,554	3,371	-	1,775	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	201,934	39,780	252	35,117	-	-	-	3,217
Conn.	200,572	91,430	460	49,271	(d)	-	10,104	53
Del.	1,026	7	26	36	-	1	1	-
D.C.	*	*	*	*	*	*	*	*
Fla.	14,089	-	-	-	-	-	-	*
Ga.	6,804	611	-	192	-	22	19	26
Hawaii	18,301	3,940	-	2,623	-	-	-	12
Ida.	14,620	2,616	-	2,076	-	-	-	-
Ill.	38,008	-	52	52	-	17	17	74
Ind.	20	-	1	-	-	-	-	20
Ia.	4,982	19,928	-	2,978	400	-	100	-
Kans.	3,529	926	20	946	148	63	211	65
Ky.	-	4,365	163	995	-	-	-	-
La.	1,823	-	-	124	216	-	92	*
Me.	13,930	3,852	-	3,521	-	10	9	53
Md.	49,048	-	-	8,898	-	-	1,638	-
Mass.	*	*	*	*	*	*	*	*
Mich.	113,390	-	-	21,083 (e)	-	-	-	(e)
Minn.	22	2	2	2	1	1	1	96
Miss.	13,128	13,128	-	2,114	-	-	-	(f)
Mo.	14,531	4,576	12	5,743	-	30	30	*
Mont.	858	-	240	240	-	65	65	28
Nebr.	964	322	27	59	-	-	31	45
Nev.	47	-	2	2	-	-	-	-
N.H.	28,334	9,736	-	7,802	-	-	-	25
N.J.	11	4	-	4	-	-	-	15
N.M.	-	1,291	-	269	-	-	-	-
N.Y.	109	3,670	51	51	58	-	58	*
N.C.	28,134	4,168	22	5,023	-	*	1,447	*
N.D.	8,301	12,484	761	3,735	-	286	204	-
Ohio	28,345	8,340	16	7,696	-	16	9	39
Okla.	*	*	*	*	*	*	*	*
Ore.	19,322	7,777	-	5,333	-	-	-	-
Pa.	8	-	13	13	-	19	19	48
R.I.	17,355	2,563	-	*	349	1	*	2
S.C.	700	688	17	115	-	17	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	59,578	-	13,177	-	-	-	-
Tex.	2,811	2,811	-	396	-	-	-	34
Utah	13,538	4,034	97	3,842	-	192	192	-
Vt.	14,822	1,102	-	3,737	-	-	-	-
Va.	17,393	2,093	87	373	-	228	216	17
Wash.	3,839	-	-	472	-	-	56	20
W. Va.	9,603	9,341	252	2,903	-	57	57	-
Wisc.	49,298	7,574	-	6,228	1,345	-	1,345	227
Wyo.	23,561	2,385	-	2,385	-	32	32	-
P.R.	4,386	4,335	35	308	-	16	16	-
V.I.	1,020	342	-	21	-	-	5	-

TABLE 8-3. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS

	Specimens	Examinations	Positives
Ala.	3,128	6,256	2,910
Alaska	350	620	135
Ariz.	431	1,042	348
Ark.	*	*	*
Cal.	*	*	*
Colo.	230	717	33
Conn.	2,843	10,018	2,522
Del.	55	90	*
D.C.	*	*	*
Fla.	14,089	14,978	889
Ga.	142 (g)	8,987	329
Hawaii	5,839	8,553	1,469
Ida.	(h)	*	*
Ill.	3,214	4,644	1,891
Ind.	581	1,919	292
Ia.	16,972	50,878	1,781
Kans.	1,006	3,290	*
Ky.	304	2,978	172
La.	*	2,515	722
Me.	(i)	272	126
Md.	49,048	64,458	10,586
Mass.	*	*	*
Mich.	58,577	114,706	8,711
Minn.	82	226	82
Miss.	484 (j)	878	173
Mo.	38	104	38
Mont.	92	182	*
Nebr.	95	229	36
Nev.	85	317	2
N.H.	1,674	2,222	224
N.J.	10	23	8
N.M.	*	1,855	-
N.Y.	2,151	2,480	1,983
N.C.	*	2,128	*
N.D.	*	5,950	*
Ohio	6,512	21,104	2,357
Okla.	*	*	*
Ore.	-	-	-
Pa.	51	51	*
R.I.	34	40	*
S.C.	*	161	*
S.D.	*	*	*
Tenn.	2,713	8,139	*
Tex.	2,052	6,156	2,052
Utah	(f)	-	-
Vt.	2,764	6,431	*
Va.	4,723	7,574	3,104
Wash.	2,505	5,108	565
W.Va.	425	548	47
Wisc.	3,463	3,941	*
Wyo.	2	4	2
P.R.	*	220	*
V.I.	1,020	1,376	54

TABLE 8-3. DIAGNOSTIC BACTERIOLOGY: STAPHYLOCOCCUS
(Continued)

	Cultures	Coagulase Tube Tests	Clumping Factor Tests	Bacteriophage Typing	Antibiotic Sensitivity	Referred Cultures
Ala.	3,128	3,128	-	-	-	-
Alaska	350	135	-	-	135	-
Ariz.	591	450	-	-	1	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	230	181	-	21	120	165
Conn.	231	2,847	-	4,097	-	2,843
Del.	55	-	-	-	35	-
D.C.	*	*	*	*	*	*
Fla.	14,089	889	-	-	-	*
Ga.	6,804	1,188 (k)	-	490	-	505
Hawaii	2,452	2,556	-	3,387	46	112
Ida.	*	*	*	*	*	*
Ill.	1,784	*	*	1,430	-	1,430
Ind.	581	194	-	563	-	581
Ia.	1,781	1,881	-	30,408	16,808	-
Kans.	1,006	1,215	-	-	159	910
Ky.	1,030	799	-	1,149	-	-
La.	1,121	1,121	-	273	-	*
Me.	126	20	126	-	-	-
Md.	49,048	586	10,586	1,349	2,889	-
Mass.	*	*	*	*	*	*
Mich.	112,252	-	-	2,454	*	-
Minn.	82	82	-	9	-	53
Miss.	484	46	348	-	-	-
Mo.	38	38	-	14	-	14
Mont.	92	40	-	29	21	-
Nebr.	141	72	-	-	4	12
Nev.	105	2	-	-	210	-
N.H.	1,674	24	300	-	224	-
N.J.	10	10	-	-	2	1
N.M.	809	*	-	523	*	523
N.Y.	329	329	-	1,799	23	*
N.C.	*	*	2,128 (1)	-	-	*
N.D.	4,000	800	-	-	800	350
Ohio	2,458	2,665	-	5,945	5,942	4,094
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	51	-	-
R.I.	34	3	-	-	2	1
S.C.	110	51	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	2,713	-	2,713	-	2,713
Tex.	-	2,052	-	2,052	-	2,052
Utah	-	-	-	-	-	-
Vt.	2,214	350	2,754	540	23 (m)	550
Va.	4,723	2,671	-	120	4	56
Wash.	3,409	904	15	-	755	25
W. Va.	425	82	-	-	-	41
Wisc.	1,263	1,962	-	238	240	238
Wyo.	2	2	-	-	-	-
P.R.	-	-	-	-	220	-
V.I.	1,020	178	-	-	178	-

TABLE 8-4. DIAGNOSTIC BACTERIOLOGY: VINCENT'S ANGINA AND DARKFIELD PREPARATIONS

	Vincent's Angina:			Darkfield Preparations:		
	Specimens	Examinations	Positives	Specimens	Examinations	Positives
Ala.	4,180	4,159	13	25	24	6
Alaska	6	6	2	22	22	1
Ariz.	-	-	-	2,811	2,811	*
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	52	52	18	-	-	-
Conn.	312	371	111	2	2	-
Del.	11	11	2	25	25	8
D.C.	*	*	*	*	*	*
Fla.	*	63,916	548	436	436 (n)	186
Ga.	76	76	48	18	18	4
Hawaii	3	3	-	1	1	-
Ida.	-	-	-	*	32	7
Ill.	745	745	277	60	60	4
Ind.	30	30	-	-	-	-
Ia.	145	290	64	-	-	-
Kans.	58	58	*	-	-	-
Ky.	-	-	-	3	3	1
La.	*	24	19	*	4	-
Me.	*	115	83	1	1	-
Md.	- (o)	9,562	88	19	19	1
Mass.	*	*	*	*	*	*
Mich.	-	-	-	14	14	2
Minn.	11	11	3	12	12	1
Miss.	13	13	9	-	-	-
Mo.	1	1	1	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	5	5	1
Nev.	-	-	-	6	6	1
N.H.	*	13	3	6	6	-
N.J.	5	5	1	-	-	-
N.M.	-	-	-	*	48	14
N.Y.	11	11	10	5	5	-
N.C.	48	48	6	2	2	-
N.D.	-	-	-	7	*	*
Ohio	37	37	-	3	3	-
Okla.	*	*	*	*	*	*
Ore.	25	17	8	-	-	-
Pa.	10	10	*	-	-	-
R.I.	*	6	2	12	12	3
S.C.	*	20	8	*	86	27
S.D.	*	*	*	*	*	*
Tenn.	15	15	10	-	-	-
Tex.	-	-	-	4,673	4,673	417
Utah	2	2	1	-	-	-
Vt.	69	138	*	10	10	1
Va.	37	37	14	11	11	1
Wash.	-	-	-	-	-	-
W. Va.	-	3,685	273	13	13	-
Wisc.	116	116	25	24	24	1
Wyo.	1	1	1	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	18	18	7

TABLE 8-5. DIAGNOSTIC BACTERIOLOGY: GONORRHEA

	Specimens	Examinations	Positives
Ala.	9,434	25,681	3,773
Alaska	1,291	2,070	548
Ariz.	*	2,953	300
Ark.	*	*	*
Cal.	*	*	*
Colo.	2,207	2,214	10
Conn.	17,101	17,102	1,367
Del.	5,734	11,474	1,140
D.C.	*	*	*
Fla.	88,266	88,266	12,489
Ga.	14,814	14,770	2,025
Hawaii	2,418	5,476	308
Ida.	*	6,421	1,088
Ill.	34,022	34,404	5,595
Ind.	14,911	15,126	1,541
Ia.	2,656	5,707	587
Kans.	7,277	7,286	1,933
Ky.	3,843	3,869	952
La.	*	10,369	3,969
Me.	3,313	3,393	555
Md.	15,324	15,881	2,608
Mass.	*	*	*
Mich.	77,052	77,937	4,695
Minn.	17	7,730	16
Miss.	519	519	58
Mo.	4,581	4,581	1,074
Mont.	585	611	50
Nebr.	1,025	1,052	275
Nev.	6,285	18,838	812
N.H.	1,487	1,740	325
N.J.	5,445	5,445	1,503
N.M.	*	2,852	-
N.Y.	2,131	2,152	259
N.C.	2,867	2,867	613
N.D.	1,630	1,641	297
Ohio	5,090	5,751	1,174
Okla.	*	*	*
Ore.	4,678	4,703	690
Pa.	1,587	1,590	*
R.I.	3,390	3,708	255
S.C.	*	16,034	2,695
S.D.	*	*	*
Tenn.	-	-	-
Tex.	28,308	28,308	113
Utah	2,042	2,042	197
Vt.	1,700	3,400	208
Va.	15,121	15,121	2,240
Wash.	6	36	*
W. Va.	3,709	3,709	455
Wisc.	5,835	5,972	396
Wyo.	187	187	36
P.R.	*	3,244	410
V.I.	505	521	182

TABLE 8-5. DIAGNOSTIC BACTERIOLOGY: GONORRHEA
(Continued)

	Smears	Cultures	Fermentation	FA Direct	FA Delayed
Ala.	25,649	21	4	7	-
Alaska	1,109	395	61	505	-
Ariz.	1,997	866	90	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	1,947	260	7	-	-
Conn.	17,100	1	-	1	-
Del.	11,468	6	-	-	-
D.C.	*	*	*	*	*
Fla.	63,915	24,133	-	-	218
Ga.	14,770	-	-	-	-
Hawaii	1,467	3,779	230	-	-
Ida.	2,230	2,222	-	1969 (p)	(p)
Ill.	33,064	958	382	-	-
Ind.	14,911	66	17	66	66
Ia.	5,602	41	32	-	32
Kans.	7,272	7	7	-	-
Ky.	3,857	6	6	-	-
La.	9,320	1,049	*	-	-
Me.	2,970	343	78	2	-
Md.	10,785	4,539	557	-	-
Mass.	*	*	*	*	*
Mich.	77,052	885	144 (q)	-	(q)
Minn.	7,239	448	17	26	-
Miss.	519	-	-	-	-
Mo.	4,581	-	-	-	-
Mont.	585	18	8	-	-
Nebr.	944	81	27	-	-
Nev.	8,493	713	213	-	9,419
N.H.	1,487	-	-	253	-
N.J.	5,445	-	-	-	-
N.M.	1,640	1,212	-	-	-
N.Y.	2,110	21	21	-	-
N.C.	2,867	-	-	-	-
N.D.	1,553	77	11	-	-
Ohio	4,705	311	49	380	306
Okla.	*	*	*	*	*
Ore.	4,636	42	10	-	15
Pa.	1,584	3	3	-	-
R.I.	3,390	315	3	-	-
S.C.	16,031	3	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	9,478	18,830	-	-	-
Utah.	2,042	-	-	-	-
Vt.	3,400	-	-	-	-
Va.	15,121	-	-	-	-
Wash.	-	6	30	-	-
W. Va.	3,709	-	-	-	-
Wisc.	4,232	1,603	123	1	13
Wyo.	184	3	-	-	-
P.R.	3,167	77	-	-	-
V.I.	505	-	-	-	16

TABLE 8-6. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS

	Specimens	Examinations	Positives	
			Mycobacterium Tuberculosis	Mycobacterium, Atypical
Ala.	48,391	253,183	5,447	3,240
Alaska	15,094	26,606	276	15
Ariz.	6,354	11,168	418	223
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	1,846	3,648	40	16
Conn.	5,958	25,640	356	109
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	66,571	195,343	2,260	3,380
Ga.	45,044	218,134	1,286	879
Hawaii	9,258	48,615	121	244
Ida.	*	2,102 (r)	65	-
Ill.	16,064	76,209	792	341
Ind.	7,857	50,623	592	490
Ia.	2,039	27,007	140	99
Kans.	5,888	12,386	225	133
Ky.	9,485	31,441	818	95
La.	*	86,274	1,196	415
Me.	2,665	16,029	175	17
Md.	18,636	86,135	731	788
Mass.	*	*	*	*
Mich.	19,944	59,120	1,796	288
Minn.	12,858	22,611	377	301
Miss.	30,481	129,271	1,092	769
Mo.	-	-	-	-
Mont.	2,349	8,972	116	23
Nebr.	559	1,955	33	28
Nev.	6,092	20,251	803	-
N.H.	1,888	5,774	290	4
N.J.	23,084	73,567	1,898	666
N.M.	*	18,599	*	*
N.Y.	5,398	13,722	363	90
N.C.	14,158	69,361	422	147
N.D.	4,587	18,505	68	43
Ohio	14,945	53,771	1,163	153
Okla.	*	*	*	*
Ore.	5,487	11,058	225	40
Pa.	20,940	41,846	1,189	389
R.I.	1,519	2,729	16	2
S.C.	*	42,551	*	396
S.D.	*	*	*	*
Tenn.	52,742	111,792	4,009	2,091
Tex.	26,327	156,600	2,142	998
Utah	1,677	3,703	57	36
Vt.	4,150	8,776	287	43
Va.	23,753	98,879	3,188	176
Wash.	5,283	21,299	98	58
W. Va.	16,849	61,772	571	252
Wisc.	8,284	15,515	376	131
Wyo.	240	699	25	1
P.R.	-	-	-	-
V.I.	543	543	5	2

TABLE 8-6. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Direct Smears	Concentration Smears	Cultures	Subcultures
Ala.	647	48,900	186,360	1,286
Alaska	5	2,755	15,060	251
Ariz.	-	4,323	5,427	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	1,640	1,830	89
Conn.	137	5,486	17,169	892
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	-	38,259	142,420	4,438
Ga.	34,417	8,168	167,360	2,656
Hawaii	74	15,735	31,249	122
Ida.	1,040 (s)	(s)	1,062	-
Ill.	-	*	64,256	6,798
Ind.	1,000	8,740	30,960	4,885
Ia.	-	3,782	16,312	-
Kans.	-	5,353	5,888	358
Ky.	8,785	-	18,073	2,544
La.	23,744	23,744	32,867	-
Me.	-	2,648	13,155	22
Md.	16,685	58,102	1,519	8,496
Mass.	*	*	*	*
Mich.	-	20,331	17,923	-
Minn.	-	7,824	12,858	678
Miss.	30,481	-	91,443	1,805
Mo.	-	-	-	-
Mont.	5	2,183	4,650	540
Nebr.	47	542	1,127	130
Nev.	-	5,919	8,785	-
N.H.	1,888	1,888	1,888	-
N.J.	-	21,572	21,975	17,948
N.M.	*	7,748	8,120	*
N.Y.	93	4,885	5,283	910
N.C.	-	13,954	53,992	*
N.D.	-	4,587	13,761	35
Ohio	12	14,498	27,604	1,796
Okla.	*	*	*	*
Ore.	77	5,300	5,487	-
Pa.	2,898	18,047	18,042	758
R.I.	1,080	1,080	510	18
S.C.	-	13,699	26,600	361
S.D.	*	*	*	*
Tenn.	-	52,742	52,742	-
Tex.	30	22,367	127,100	710
Utah	54	1,623	1,677	156
Vt.	-	4,150	4,150	90
Va.	-	26,765	70,847	31
Wash.	-	5,261	15,849	-
W. Va.	-	16,849	42,339	837
Wisc.	-	6,517	7,358	-
Wyo.	-	206	493	-
P.R.	-	-	-	-
V.I.	-	244	254	35

TABLE 8-6. DIAGNOSTIC BACTERIOLOGY: TUBERCULOSIS
(Continued)

	Bio-chemical	Animal Inoculations	Referred Cultures	Drug Sensitivity	
				Direct	Indirect
Ala.	4,806	191	85	3,150	7,758
Alaska	201	-	18	-	8,316
Ariz.	664	-	294	460	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	89	-	-	-	-
Conn.	1,529	-	156	-	271
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	9,032	-	570	-	624
Ga.	4,395	-	241	304	593
Hawaii	1,065	8	16	-	346
Ida.	-	-	-	-	-
Ill.	4,532	-	175	-	448
Ind.	4,790	-	248	-	-
Ia.	2,629	254	-	684	3,346
Kans.	358	-	89	-	340
Ky.	1,924	-	88	-	27
La.	3,452	112	1,006	-	1,349
Me.	63	-	17	70	54
Md.	287	331	-	-	715
Mass.	*	*	*	*	*
Mich.	*	15,745	678	-	4,443
Minn.	678	52	133	-	388
Miss.	4,877	-	-	-	665
Mo.	-	-	-	-	-
Mont.	1,080	498	15	-	1
Nebr.	102	-	7	-	-
Nev.	4,201	-	355	-	991
N.H.	-	-	10	100	-
N.J.	9,690	-	403	510	1,469
N.M.	2,450	1	*	-	280
N.Y.	1,897	302	196	112	44
N.C.	569	-	130	397	319
N.D.	122	-	-	-	-
Ohio	8,980	15	435	99	332
Okla.	*	*	*	*	*
Ore.	-	-	-	-	194
Pa.	1,316	167	-	224	394
R.I.	18	18	2	-	3
S.C.	1,829	-	47	15	-
S.D.	*	*	*	*	*
Tenn.	4,009	-	-	-	2,299
Tex.	3,486	114	1,167	524	1,102
Utah	93	-	37	22	41
Vt.	330	-	10	-	46
Va.	1,236	-	-	-	-
Wash.	-	7	63	-	119
W. Va.	1,463	160	50	27	47
Wisc.	-	-	293	-	1,347
Wyo.	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	10	-	-	-	-

TABLE 8-7. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS

	Specimens	Examinations	Positives
Ala.	3,438	3,586	440
Alaska	2,818	3,824	737
Ariz.	1,349	2,626	571
Ark.	*	*	*
Cal.	*	*	*
Colo.	3,506	6,255	870
Conn.	10,618	62,997 (t)	833
Del.	922	3,809	*
D.C.	*	*	*
Fla.	58,442	178,781	*
Ga.	26,342	52,034	1,158
Hawaii	10,046	20,907	3,849
Ida.	*	1,129	*
Ill.	10,056	35,378	2,928
Ind.	2,569	8,691	382
Ia.	1,232	15,616	212
Kans.	6,575	7,841	603
Ky.	911	3,613	58
La.	*	42,642	756
Me.	1,265	2,072	118
Md.	5,568	29,077	415
Mass.	*	*	*
Mich.	26,585	79,538	*
Minn.	4,980	25,303	847
Miss.	3,217	3,561	257
Mo.	1,884	2,476	288
Mont.	1,534	1,826	304
Nebr.	180	801	15
Nev.	370	3,603	64
N.H.	1,113	1,306	70
N.J.	6,104	30,393	1,237
N.M.	*	9,450	*
N.Y.	3,708	4,343	160
N.C.	5,260	21,040	901
N.D.	3,503	11,489	276
Ohio	3,988	12,027	1,095
Okla.	*	*	*
Ore.	2,167	2,979	342
Pa.	10,914	11,429	*
R.I.	2,487	2,684	73
S.C.	*	664	*
S.D.	*	*	*
Tenn.	6,528	20,861	306
Tex.	14,325	67,884	3,408
Utah	1,741	2,478	355
Vt.	660	810	62
Va.	12,059	13,880	787
Wash.	4,043	5,872	*
W. Va.	729	3,836	94
Wisc.	5,331	23,562	1,178
Wyo.	89	431	5
P.R.	*	698	15
V.I.	2,231	2,879	34

TABLE 8-7. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Primary Cultures	Salmonella Grouping	Salmonella Typing	Referred Cultures	Bacteriophage Typing
Ala.	1,869	769	-	200	-
Alaska	2,756	33	33	33	-
Ariz.	1,286	668	302	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	3,506	1,049	450	85	-
Conn.	60,972	712	712	304	26
Del.	3,778	25	-	-	-
D.C.	*	*	*	*	*
Fla.	175,326	1,336	1,577	-	-
Ga.	46,848	1,208	1,208	567	29
Hawaii	8,969	3,837	1,825	654	-
Ida.	887	88	-	-	-
Ill.	23,704	2,061	1,910	3,748 (u)	40
Ind.	7,707	293	293	210	17
Ia.	14,784	161	161	350	-
Kans.	6,149	580	580	426	3
Ky.	3,532	-	70	-	-
La.	39,151	1,032	1,032	*	-
Me.	1,164	671	-	101	-
Md.	25,542	700	700	1,156	-
Mass.	*	*	*	*	*
Mich.	75,863	875	875	1,123	-
Minn.	23,195	516	507	228	7
Miss.	3,217	102	102	-	-
Mo.	1,733	232	202	151	15
Mont.	1,534	76	-	40	-
Nebr.	649	78	31	27	-
Nev.	3,134	112	-	309	-
N.H.	1,113	60	-	12	-
N.J.	26,856	202	931	1,054	-
N.M.	6,115	410	-	986	12
N.Y.	2,379	-	-	519	-
N.C.	21,040	*	*	*	-
N.D.	10,509	54	-	-	-
Ohio	9,051	880	880	789	-
Okla.	*	*	*	*	*
Ore.	2,167	218	218	110	-
Pa.	9,033	527	527	907	40
R.I.	2,487	52	52	39	-
S.C.	561	27	27	8	-
S.D.	*	*	*	*	*
Tenn.	19,684	137	137	640	13
Tex.	60,759	1,285	1,285	1,087	13
Utah	1,741	218	218	84	-
Vt.	605	58	58	55	-
Va.	12,054	611	611	484	2
Wash.	3,721	734	688	441	-
W. Va.	3,545	87	87	100	-
Wisc.	10,364	5,182	847	859	-
Wyo.	340	80	5	4	-
P.R.	628	12	-	-	-
V.I.	2,231	-	-	-	-

TABLE 8-7. DIAGNOSTIC BACTERIOLOGY: ENTERIC EXAMINATIONS
(Continued)

	Shigella Grouping	Shigella Typing	Referred Cultures	Enteropathogenic <i>E. Coli</i> : Method Used:	
				FA	Agglutination
Ala.	487	-	60	195	6
Alaska	110	110	110	594	45
Ariz.	-	257	-	-	113
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	480	456	72	-	157
Conn.	89	89	48	21	21
Del.	3	-	-	-	3
D.C.	*	*	*	*	*
Fla.	271	271	-	-	-
Ga.	891	891	379	-	13
Hawaii	3,420	1,669	415	-	118
Ida.	-	-	-	154	-
Ill.	1,011	994	-	368	1,542
Ind.	42	42	40	-	47
Ia.	51	51	58	-	-
Kans.	23	23	19	-	38
Ky.	-	11	-	-	-
La.	234	234	*	103	856
Me.	121	-	15	-	-
Md.	388	388	-	-	203
Mass.	*	*	*	*	*
Mich.	234	234	175	-	159
Minn.	306	296	113	-	135
Miss.	131	-	-	9	-
Mo.	90	15	27	5	6
Mont.	-	172	4	-	-
Nebr.	14	-	2	-	-
Nev.	48	-	-	-	-
N.H.	10	-	2	109	-
N.J.	60	-	37	1,050	203
N.M.	433	433	226	-	835
N.Y.	312	-	263	694	176
N.C.	*	*	*	-	*
N.D.	96	-	-	830	-
Ohio	122	122	90	-	93
Okla.	*	*	*	*	*
Ore.	92	92	50	32	-
Pa.	144	144	107	-	-
R.I.	20	20	-	-	14
S.C.	25	-	4	1	1
S.D.	*	*	*	*	*
Tenn.	125	125	-	-	-
Tex.	1,173	1,173	1,075	-	34
Utah	68	68	12	-	69
Vt.	2	2	-	-	30
Va.	59	59	-	-	-
Wash.	105	37	75	-	71
W. Va.	7	7	-	-	3
Wisc.	5,182	222	151	755	-
Wyo.	-	-	-	-	2
P.R.	3	-	-	-	55
V.I.	4	4	-	506	134

TABLE 8-8. DIAGNOSTIC BACTERIOLOGY: BLOOD CULTURES AND SPINAL FLUID CULTURES

	Blood Cultures:			Spinal Fluid Cultures:		
	Specimens	Examinations	Positives	Specimens	Examinations	Positives
Ala.	*	3	-	-	-	-
Alaska	7	7	2	3	3	-
Ariz.	3	4	1	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	39	39	5	2	5	5
Del.	20	20	*	1	1	*
D.C.	*	*	*	*	*	*
Fla.	130	130	3	8	8	3
Ga.	529	529	33	65	65	9
Hawaii	63	558	16	21	90	2
Ida.	*	64	*	-	-	-
Ill.	77	77	*	(f)	(f)	(f)
Ind.	-	-	-	-	-	-
Ia.	83	420	6	16	80	13
Kans.	37	37	14	22	22	12
Ky.	32	100	-	3	3	-
La.	-	-	-	-	-	-
Me.	11	11	9	-	-	-
Md.	406	406	86	61	61	-
Mass.	*	*	*	*	*	*
Mich.	411	411	*	*	*	*
Minn.	164	328	16	39	78	11
Miss.	665	665	4	7	7	-
Mo.	121	121	20	11	11	6
Mont.	21	21	*	32	32	*
Nebr.	17	42	5	12	31	4
Nev.	-	-	-	-	-	-
N.H.	*	20	4	-	-	-
N.J.	2	6	1	6	18	3
N.M.	-	-	-	-	-	-
N.Y.	9	9	-	27	27	-
N.C.	(f)	(f)	(f)	(f)	(f)	(f)
N.D.	395	1,185	*	148	*	*
Ohio	-	-	-	1	1	-
Okla.	*	*	*	*	*	*
Ore.	17	17	-	40	40	-
Pa.	-	-	-	-	-	-
R.I.	4	4	-	-	-	-
S.C.	*	5	*	*	1	*
S.D.	*	*	*	*	*	*
Tenn.	*	27	2	-	-	-
Tex.	37	37	*	2	2	*
Utah	23	23	*	32	32	*
Vt.	10	10	*	10	10	*
Va.	407	407	26	7	7	6
Wash.	28	28	*	20	20	*
W. Va.	20	60	4	6	36	3
Wisc.	115	115	*	-	-	-
Wyo.	-	-	-	*	2	*
P.R.	91	910	*	84	840	*
V.I.	57	57	1	16	16	-

TABLE 8-9. DIAGNOSTIC BACTERIOLOGY: WOUND EXUDATE CULTURES AND DENTAL CARIES CULTURES

	Wound Exudate Cultures:			Dental Caries Cultures:		
	Specimens	Examinations	Positives	Specimens	Examinations	Positives
Ala.	-	-	-	-	-	-
Alaska	28	28	21	2	2	-
Ariz.	1	1	1	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	12	12	6	340	340	-
Conn.	-	-	-	-	-	-
Del.	3	3	*	-	-	-
D.C.	*	*	*	*	*	*
Fla.	*	*	*	1,761	1,761	-
Ga.	-	-	-	-	-	-
Hawaii	30	140	26	5	20	-
Ida.	-	-	-	-	-	-
Ill.	(f)	(f)	(f)	385	385	-
Ind.	-	-	-	-	-	-
Ia.	133	665	133	6	36	6
Kans.	23	23	20	-	-	-
Ky.	83	83	82	-	-	-
La.	-	-	-	-	102	*
Me.	28	54	28	-	-	-
Md.	-	-	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	*	*	*	4,365	4,365	*
Minn.	232	232	206	-	-	-
Miss.	(f)	(f)	(f)	-	-	-
Mo.	14	14	10	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	7	21	4	29	29	16
Nev.	-	-	-	-	-	-
N.H.	*	48	40	-	-	-
N.J.	34	88	29	-	-	-
N.M.	-	-	-	*	7	*
N.Y.	35	35	-	-	-	-
N.C.	(f)	(f)	(f)	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	50	50	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	97	97	97	-	-	-
S.C.	*	5	*	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	*	112	80
Tex.	-	-	-	834	834	*
Utah	18	18	*	-	-	-
Vt.	120	120	*	-	-	-
Va.	65	65	65	225	225	148
Wash.	40	40	*	-	-	-
W. Va.	5	30	5	393	393	27
Wisc.	-	-	-	-	-	-
Wyo.	1	1	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	126	126	24	-	-	-

TABLE 8-10. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS

	Specimens	Examinations	Positives
Ala.	591	10,192	505
Alaska	2,358	3,628	629
Ariz.	5,557	1,624	62
Ark.	*	*	*
Cal.	*	*	*
Colo.	107	107	*
Conn.	3,895	21,984	706
Del.	75	146 (v)	*
D.C.	*	*	*
Fla.	77,041	77,041	16,615
Ga.	971	2,079	*
Hawaii	5,104	48,153	2,143
Ida.	*	5,660	*
Ill.	1,339	2,237 (w)	753
Ind.	438	438	438 (x)
Ia.	1,180	9,300	933
Kans.	973	1,792	*
Ky.	376	376	361
La.	*	3,219	*
Me.	365	365	*
Md.	4,512	15,056 (y)	*
Mass.	*	*	*
Mich.	34,971	175,858	*
Minn.	1,141	1,141	*
Miss.	567	567	167
Mo.	188	608	*
Mont.	386	855	325 (z)
Nebr.	72	88	43
Nev.	85	507	*
N.H.	20	81	*
N.J.	320 (aa)	551	18
N.M.	*	1,180	-
N.Y.	3,721	3,721	*
N.C.	2,609	5,567 (bb)	1,524
N.D.	13,389	31,992	*
Ohio	816	1,564	25
Okla.	*	*	*
Ore.	642	678	*
Pa.	253	253	*
R.I.	450	533	*
S.C.	*	11	*
S.D.	*	*	*
Tenn.	963	1,083	486
Tex.	2,140	3,717	*
Utah	530	571	*
Vt.	350	659	*
Va.	1,223	1,356	1,123
Wash.	2,505	25,658	*
W. Va.	359	2,344	*
Wisc.	21,850	15,212	*
Wyo.	*	31	*
P.R.	*	3,749	*
V.I.	-	1,788	*

TABLE 8-10. DIAGNOSTIC BACTERIOLOGY: MISCELLANEOUS
(Continued)

	Smears	Cultures	Referred Cultures	Animal Inoculation	Anaerobic Cultures	Antibiotic Sensitivity	Other
Ala.	3	180	1,461	126	1,644	12	6,766(cc)
Alaska	15	1,856	-	-	15	1,742	-
Ariz.	265	1,293	33	-	33	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	12	68	-	10	17	-
Conn.	1	233	601	-	840	-	20,309(dd)
Del.	8	67	-	-	-	71	-
D.C.	*	*	*	*	*	*	*
Fla.	64,351	7,574	3,822	-	-	1,294	-
Ga.	109	862	1,024	-	84	-	-
Hawaii	4,914	41,221	1,030	-	563	425	-
Ida.	426	3,375	-	-	-	1,859	-
Ill.	202	790	347	7	891	-	-
Ind.	-	-	345	-	93	-	-
Ia.	1,420	5,478	-	14	795	1,208	385(ee)
Kans.	6	608	308	-	588	282	-
Ky.	-	118	244	1	13	-	-
La.	216	515	*	112	101	1,349	926(ff)
Me.	-	176	103	-	86	-	-
Md.	3,956	3,956	556	24	3,956	2,608	-
Mass.	*	*	*	*	*	*	*
Mich.	-	-	1,900	-	-	173,958	-
Minn.	9	300	664	18	150	-	-
Miss.	567(gg)	*	*	*	*	*	-
Mo.	188	188	188	4	36	4	-
Mont.	-	325	24	-	375	120	11(hh)
Nebr.	36	15	17	-	15	5	-
Nev.	-	253	36	-	-	218	-
N.H.	20	20	15	2	4	20	-
N.J.	11	157	167	-	189	27	-
N.M.	*	698	128	*	*	354	-
N.Y.	1,508	1,508	484	-	146	48	27(ii)
N.C.	1,863	3,704	*	-	*	-	-
N.D.	124	-	-	-	360	31,508	-
Ohio	3	34	645	-	-	697	185(jj)
Okla.	*	*	*	*	*	*	*
Ore.	85	-	437	-	120	36	-
Pa.	-	64	62	3	60	64	-
R.I.	6	454	30	3	10	30	-
S.C.	-	11	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	963	-	-	120	-	-
Tex.	1,153	1,153	997	85	204	125	-
Utah	2	241	287	-	14	27	-
Vt.	293	293	49	-	10	14(m)	-
Va.	542	498	41	4	32	151	88(kk)
Wash.	7,098	15,723	310	3	2,380	144	-
W. Va.	322	1,000	610	90	37	100	185(ll)
Wisc.	-	3,297	348	-	2,559	3,526	5,482(mm)
Wyo.	-	20	6	-	2	3	-
P.R.	-	2,536	-	-	-	1,213	-
V.I.	23	512	-	-	18	1,235	-

FOOTNOTES FOR TABLES 8-1 - 8-10

- (a) This figure includes direct smears, cultures, toxigenicity in vitro, and referred cultures.
- (b) Throat and nose cultures are examined for routine pathogens.
- (c) Includes 3,157 Bacitracin tests performed on beta hemolytic colonies examined on weekends.
- (d) Streptococcus tested for Group A only. Examinations listed under FA Group A.
- (e) Beta hemolytic streptococcus, ungrouped.
- (f) Included with Miscellaneous Bacteriology, Table 8-10.
- (g) Miscellaneous specimens (other than strep throat swabs) yielding coagulase positive staphylococcus.
- (h) Separate record not kept.
- (i) Submitted for strep culture.
- (j) Specimens for staph culture other than those from oral and respiratory tract are included in Miscellaneous Bacteriology.
- (k) This figure includes: (1) staphylococci isolated from routine strep-staph throat swabs; (2) referred cultures of miscellaneous body fluids identified as staphylococcus; (3) coagulase positive staphylococcus isolated from miscellaneous specimens; (4) coagulase positive staph cultures received for phage typing.
- (l) 1,785 of these were isolated from throat cultures examined primarily for Group A Streptococci and in each case was an almost pure culture of Staphylococcus. The others were from specimens sent in for predominant pathogenic organisms.
- (m) Discontinued as of 11/1/66.
- (n) Darkfield examinations performed in local health department clinics are not included.
- (o) Smears on routine throat cultures.
- (p) FA Direct and Delayed combined.
- (q) Fermentation was done on some of these positives and FA on others.
- (r) This includes smears and cultures only; all special studies performed at TB Hospital.
- (s) Direct and concentration smears combined.
- (t) Includes three Arizona typings not shown in further breakdown.
- (u) Includes Salmonella, Shigella and E. coli.
- (v) Delaware reported the following additional information on their general bacteriology workload. A variety of requests included: aspirate from glands and body cavities, ear and eye cultures, gauze pads, pus from various organs, shellfish water, sputum and pleural fluids, urine, urethral swabs, wound materials. Identifications are always made on all gram negative or other unusual microorganisms in throat cultures. These were isolated: achromobacter, alkaligenes fecalis, Herellea vaginicola, Klebsiella and Pseudomonas. Lately, Bathesda-Ballerup group was isolated much more frequently than ever before, the same as late lactose fermenters.
- (w) Illinois submitted the following supplementary report on miscellaneous bacteriology. The most commonly encountered bacteria were S. aureus, beta hemolytic streptococci, and Pseudomonas-like organisms. Other bacteria isolated and studied were: Aerobacter-Klebsiella; Alcaligenes; Arizona group; Arthrobacter; Bacteroides sp.; Bacillus circulans, firmus, megaterium, cereus, sphaericus, subtilis; Brucella abortus, suis; Clostridium perfringens, multifementans, bifementans, chauvoei, sporogenes, tertium, septicum, butyricum; Corynebacterium acnes, diphtheriae, hemolyticus, parvum, pseudodiphtheriticum, striatum, xerosis; Bordetella bronchiseptica, Diplococcus pneumoniae; Escherichia coli; Flavobacterium sp.; Fusobacterium sp.; Haemophilus aphrophilus, influenzae, parahemolyticus, parainfluenzae; HB-1; HB-5; Herellea vaginocola; Lactobacillus sp.; Listeria monocytogenes; Mima polymorpha; Moraxella sp.; Neisseria catarrhalis, gonorrhoeae,

meningitidis, mucosa, sicca; Pasteurella multocida, pseudotuberculosis; Propionibacterium; Proteus mirabilis, retgeri, vulgaris; Pseudomonas maltophilia, stutzeri; Providence group; Salmonella enteritidis; Serratia sp.; Shigella sp.; Sphaerophorus sp.; Staphylococcus epidermis; Streptococcus faecalis, mitis; and Vibrio sp.

- (x) Indiana reported isolations of 75 species, the most common of which were: corynebacterium species, 30; mima polymorpha, 25; pseudomonas species, 19; Herellea species, 17; Bacillus species, 17; alpha-streptococci, 17; Fluorescin + Pseudomonas, 16; Lactobacillus species, 14; Staphylococcus epidermidis, 14; Neisseria meningitidis, 12; Peptococcus species, 28; Bacteroides fragilis, 11; and Bacteroides species, 11.
- (y) Direct smears are made on all specimens with the exception of throat cultures and fecal specimens. Anaerobic cultures are done on all specimens for bacteriological examination with the exception of cultures from throat, nose, feces and specific Gc cultures. Specimens include other body fluid, ear and eye, skin and drainage, body tissue, other cultures.
- (z) Includes 75 types of organisms including the following: Bacillus sp., 9; corynebacterium sp., 9; Clostridium perfringens, 10; Escherichia coli; 43; Enterobacter cloacae, 14; Klebsiella pneumoniae, 15; Micrococcus sp., 9; Proteus mirabilis, 10; Pseudomonas aeruginosa, 18; Streptococcus faecalis, 18; Staphylococcus aureus, 49.
- (aa) Includes 56 specimens of dog tissues at autopsy.
- (bb) The 2,609 specimens included blood, spinal fluid, wound, urine, and all other body fluids and cultures such as swabs from nose, eye, boils, etc. Isolations were of 42 types. Among the most numerous were Beta Streptococci - Group A (113), Beta Streptococci - not A (42), coagulase positive staphylococci (343), non-hemolytic streptococci and enterococcus (113), streptococcus viridans (40), coliform group (361), Klebsiella sp. (31), Pseudomonas sp. (142), Proteus sp. (111), D. pneumoniae (34), yeast (21), Salmonella (24), and Herellea (23).
- (cc) Includes the following examinations not shown in further breakdown: Urinalysis, 40; Biochemistry test, 6,146; Serological test, 580.
- (dd) This represents research studies on M-typing of streptococci (biochemically and immunologically) involving 3,114 specimens and 10,237 examinations; and research and development and miscellaneous, 39 specimens and 10,072 examinations.
- (ee) Coagulase (223 positives).
- (ff) Cultures for identification not included elsewhere.
- (gg) Represents total examinations which are not tabulated separately.
- (hh) Lactobacillus counts.
- (ii) Includes 21 Neisseria meningitidis and 6 Neisseria sensitivities.
- (jj) Mycoplasma cultures, 130; Listeria cultures (animal), 51; Leptospira cultures, 4.
- (kk) Urine cultures, 78; FA's for Listeria, 3; FA's for Klebsiella, 4; Uroscreen, 2; Smear for haemophilus Ducreys Bacillus, 1.
- (ll) Examinations for food poisoning (37 specimens, 4 positives).
- (mm) Urine cultures, 4,478; PPLO cultures, 1,004.

TABLE 8-11. SANITARY BACTERIOLOGY: WATER SAMPLES

	Specimens	Examinations	Coliform MPN	Coliform Confirmed	Membrane Filter	Standard Plate Count	Other
Ala.	27,470	42,004	379	3,074	38,172	-	379(a)
Alaska	11,977	11,676	7,185	-	3,584	52	855(b)
Ariz.	26,774	32,708	26,743	5,755	188	22	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	21,398	31,434	20,800	-	10,316	318	-
Conn.	11,907	13,186	178	178	11,851	916	63(c)
Del.	3,923	4,742	966	831	2,945	-	-
D.C.	*	*	*	*	*	*	*
Fla.	131,193	147,112	15,919	15,919	115,274	-	-
Ga.	(d)	-	-	-	-	-	-
Hawaii	8,669	19,098	8,669	2,178	28	8,179	44(e)
Ida.	*	1,239	1,093	(f)	146	-	-
Ill.	*	95,750	28,122	-	56,246	11,382	-
Ind.	40,761	40,761	2,411	14,726	18,245	2,976	2,403(g)
Ia.	32,608	44,233	32,589	11,037	37	-	570(h)
Kans.	(i)	-	-	-	-	-	-
Ky.	18,298	20,000	42	199	19,759	-	-
La.	*	45,892	4,612	4,612	36,668	-	-
Me.	(j)	-	-	-	-	-	-
Md.	39,505	57,438	29,572	-	10,172	1,559	16,135
Mass.	*	*	*	*	*	*	*
Mich.	*	88,894	79,510(k)	(k)	9,384	*	-
Minn.	(l)	-	-	-	-	-	-
Miss.	19,019	27,232	19,019	6,340	(f)	-	1,873(a)
Mo.	46,810	46,810	-	-	46,810	-	-
Mont.	10,982	15,614	12,182	3,378	18	-	36(m)
Nebr.	12,129	12,674	135	12,129	410	-	-
Nev.	8,585	12,184	2,500	1,701	7,983	-	-
N.H.	-	-	-	-	-	-	-
N.J.	21,827	32,077	21,827	9,290	123	3	834(n)
N.M.	*	1,995	*	1,946	49	-	-
N.Y.	*	30,664	15,332	(o)	*	15,332	-
N.C.	25,365	74,398	23,790	-	-	29	50,579(p)
N.D.	4,654	4,909	90	-	4,619	200	-
Ohio	49,181	49,219	12	49,040	30	38	99(q)
Okla.	*	*	*	*	*	*	*
Ore.	14,175	14,175	4,668	9,507	-	-	-
Pa.	51,229	101,536	50,307	50,307	922	-	-
R.I.	(d)	-	-	-	-	-	-
S.C.	*	12,729	3,246	662	8,821	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	22,412	22,412	-	-	22,412	-	-
Tex.	159,131	177,510	159,131	17,860	-	-	519(r)
Utah	19,819	25,762	19,790	2,308	29	3,635	-
Vt.	8,050	8,050	-	-	8,050	-	-
Va.	27,236	10,023(s)	827	8,545	-	-	651(m)
Wash.	9,254	11,938	9,254	2,328	-	356	-
W. Va.	16,464	24,117	9,798	1,729	5,632	-	6,958(t)
Wisc.	47,080	51,011	-	48,236	2,775	-	-
Wyo.	6,731	7,176	6,731	445	-	-	-
P.R.	*	29,502	25,860	3,306	-	336	-
V.I.	1,610	1,610	-	-	1,610	-	-

FOOTNOTES: TABLE 8-11.

- (a) Fecal coliform, MPN.
- (b) Detergent tests, 536; Chemical 319.
- (c) Algae, 22; miscellaneous 41.
- (d) Not performed in Laboratory Branch.
- (e) Fecal coliform, MPN, 22; Enterococci, MPN, 22.
- (f) Records not kept.
- (g) Fecal coliforms, 450, Fecal strep, 1,953.
- (h) Identity all bacteria present.
- (i) The Sanitary Engineering Laboratory performed 37,790 membrane filter examinations.
- (j) Sanitary Engineering Laboratory had the following workload: 24,050 specimens; 24,050 coliform MPN; and 12,025 coliform confirmed examinations.
- (k) This represents confirmed results.
- (l) These tests done by Analytical Laboratories, Division of Environmental Health.
- (m) Completed tests.
- (n) Coliform completed on potable waters.
- (o) All samples yielding positive presumptive tests are confirmed.
- (p) Miscellaneous examinations.
- (q) Distilled water suitability.
- (r) E. Coli, MPN.
- (s) This represents Central Laboratory examinations only. Data for Branch Laboratories not available.
- (t) Represents the following: 964 specimens sewage pollution, 2,965 examinations (MPN and MF); 90 specimens, 3,993 other examinations (completed tests, verified membrane filter tests and O.T. tests for residual chlorine).

TABLE 8-12. SANITARY BACTERIOLOGY: MILK AND CREAM SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform Count	Bacterial Inhibitors	Direct Microscopic Count	Other
Ala.	20,091	69,489	36,145	13,967	16,777	-	2,600(a)
Alaska	1,205	2,003	963	1,038	2	-	-
Ariz.	2,815	5,267	2,682	2,206	378	1	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	*	6,459	3,270	1,347	1,687	155	-
Conn.	19,675	47,464	12,300	4,525	7,702	16	22,921(b)
Del.	1,398	3,943	1,398	812	915	-	818(c)
D.C.	*	*	*	*	*	*	*
Fla.	26,126(d)	53,559(d)	26,126	19,595	6,532	1,306	-
Ga.	19,687	34,801	15,242	11,332	8,227	-	-
Hawaii	2,367	5,362	2,364	999	1,752	-	247(e)
Ida.	*	15,508	5,871	5,829	3,808	-	-
Ill.	*	26,952	10,808	10,689	3,751	1,704	-
Ind.	3,147	6,448	2,852	2,630	965	1	-
Ia.	7,876	38,015	19,657	6,050	9,435	2,821	52(f)
Kans.	16,991	36,898	16,860	7,103	12,935	-	-
Ky.	11,703	18,387	5,069	3,454	626	-	9,238(g)
La.	*	145,184(d)	12,898	14,390	37,066	-	80,830(h)
Me.	-	-	-	-	-	-	-
Md.	15,767	35,996	14,804	6,357	14,833	-	2(i)
Mass.	*	*	*	*	*	*	*
Mich.	*	24,937	6,925	6,631	5,745	487	5,149(j)
Minn.	-	-	-	-	-	-	-
Miss.	67,015	111,768	67,015	15,705	24,823	-	4,225(k)
Mo.	6,191	10,501	3,959	2,772	3,770	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	*	971	402	382	187	-	-
Nev.	3,852	12,545	4,180	2,571	1,303	4,491	-
N.H.	-	-	-	-	-	-	-
N.J.	2,111	4,480	2,111	2,111	258	-	-
N.M.	*	18,265	6,691	5,429	6,136	9	-
N.Y.	*	8,742	4,285	3,743	172	542	-
N.C.	-	-	-	-	-	-	-
N.D.	9,411	28,978	18,822	5,784	4,372	-	-
Ohio	541	1,547	541	454	502	-	50(l)
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	*	6,404	2,933	1,602	1,869	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	34,232(m)	48,933(m)	34,232	10,755	3,946	-	-
Tex.	94,406(d)	188,812(d)	94,406	44,420	49,986	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	7,153	14,467	6,940	6,865	558	-	104(n)
Wash.	149	451	170	152	129	-	-
W. Va.	2,355	5,807	2,170	1,287	1,069	1	1,280(c)
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	*	8,094	4,829	2,092	1,173	-	-
V.I.	378	1,073	378	378	-	-	317

TABLE 8-13. SANITARY BACTERIOLOGY: FROZEN DESSERTS

	Specimens	Examinations	Standard Plate Counts	Coliform Counts	Bacterial Inhibitors
Ala.	11,636	36,726	18,363	18,363	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	1,063	2,126	1,063	1,063	-
Del.	15	30	15	15	-
D.C.	*	*	*	*	*
Fla.	(o)	(o)	(o)	(o)	(o)
Ga.	21	42	21	21	-
Hawaii	1,246	2,264	1,246	1,018	-
Ida.	-	-	-	-	-
Ill.	*	900	450	450	-
Ind.	1,453	2,914(p)	1,449	1,449	3
Ia.	89	384	277	107	-
Kans.	1,477	2,940	1,470	1,470	-
Ky.	-	-	-	-	-
La.	(o)	(o)	(o)	(o)	(o)
Me.	-	-	-	-	-
Md.	2,000	4,043	2,000	1,985	58
Mass.	*	*	*	*	*
Mich.	*	*	*	*	*
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	85	84	42	42	-
Mont.	692	692	692	-	-
Nebr.	*	43	27	16	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	-	-	-	-	-
N.M.	*	*	*	*	*
N.Y.	-	-	-	-	-
N.C.	-	-	-	-	-
N.D.	2,393	7,179	4,786	2,393	-
Ohio	-	-	-	-	-
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	*	191	86	105	-
S.D.	*	*	*	*	*
Tenn.	(o)	(o)	(o)	(o)	(o)
Tex.	(o)	(o)	(o)	(o)	(o)
Utah	-	-	-	-	-
Vt.	-	-	-	-	-
Va.	6,399	9,909(d)	3,524	3,524	-
Wash.	7	14	7	7	-
W. Va.	-	-	-	-	-
Wisc.	-	-	-	-	-
Wyo.	-	-	-	-	-
P.R.	372	1,915	744	1,171	-
V.I.	-	-	-	-	-

TABLE 8-14. SANITARY BACTERIOLOGY: "OTHER" DAIRY PRODUCTS

	Specimens	Examinations	Standard Plate Count	Coliform Count	Other
Ala.	2,455	5,089	2,452	2,451	186 (r)
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	989	1,885	963	910	12 (i)
Del.	11	16	8	8	-
D.C.	*	*	*	*	*
Fla.	(o)	(o)	(o)	(o)	(o)
Ga.	414	580	414 (s)	166	-
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	*	120	60	60	-
Ind.	839	1,742	483	364	895 (t)
Ia.	1,084 (u)	1,994	1,492	492	10
Kans.	2,333	3,320	1,002	2,309	9 (v)
Ky.	555	3,388	2,481	907	-
La.	(o)	(o)	(o)	(o)	(o)
Me.	-	-	-	-	-
Md.	664	1,244	139	631	474 (1)
Mass.	*	*	*	*	*
Mich.	*	*	*	*	*
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	8	8	4	4	-
Mont.	-	-	-	-	-
Nebr.	*	14	7	7	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	12	24	12	12	-
N.M.	*	*	*	*	*
N.Y.	-	-	-	-	-
N.C.	-	-	-	-	-
N.D.	-	-	-	-	-
Ohio	-	-	-	-	-
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	*	22	-	-	22 (1)
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	(o)	(o)	(o)	(o)	(o)
Utah	-	-	-	-	-
Vt.	-	-	-	-	-
Va.	5	5	-	-	5 (w)
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	-	-	-	-	-
Wyo.	-	-	-	-	-
P.R.	61	366	122	244	-
V.I.	-	-	-	-	-

FOOTNOTES FOR TABLES 8-12 - 8-14.

- (a) Milk check specimens, 72 specimens, 114 examinations; Wisconsin mastitis test, 2,486 examinations.
- (b) Includes the following examinations: Laboratory pasteurization P.C., 7,661; miscellaneous plate count, 48; Brucella ring test, 7,327; leucocyte count, 7,665, and Q fever 220.
- (c) Phosphatase.
- (d) Includes milk and milk products.
- (e) Staphylococcus (phage types), 120; Wisconsin mastitis test, 127.
- (f) Salmonella in milk products.
- (g) Plate loop method.
- (h) Oval tube test, 30,438; Wisconsin mastitis test, 31,357, butterfat, 9,061, Phosphatase, 9,973, Huddleson, 1.
- (i) Yeast and mold count.
- (j) Raw plate loop.
- (k) Special tests.
- (l) Wisconsin mastitis test.
- (m) Includes frozen desserts.
- (n) Coliform complete.
- (o) Included with milk and cream, Table 8-12.
- (p) Includes 7 enteric cultures and 6 staphylococcal cultures not shown in further breakdown.
- (q) Includes 2,861 Phosphatase examinations.
- (r) Buttermilk.
- (s) Sterility test - nursery formula, rinse solution.
- (t) 633 enteric cultures and 262 staph cultures.
- (u) Specimens include infant formula, cheese and dish swabs.
- (v) Sterility tests.
- (w) Empty retail containers.

TABLE 8-15. SANITARY BACTERIOLOGY: FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform Count	Staphylococcal Culture
Ala.	64	708	44	-	64
Alaska	167	225	-	-	101
Ariz.	95	199	17	32	36
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	244	733	31	29	215
Conn.	817	1,408	37	40	259
Del.	107	642	107	107	107
D.C.	*	*	*	*	*
Fla.	1,578	6,147	1,578	1,578	1,578
Ga.	331	693	34	16	264
Hawaii	114	253	55	12	64
Ida.	*	444	115	116	105
Ill.	*	483	-	-	161
Ind.	1,884	2,159	434	299	233
Ia.	28	367	168	56	28
Kans.	82	164	77	8	38
Ky.	868	4,327	935	647	452
La.	*	2,984	512	512	115
Me.	16	64	-	-	16
Md.	1,303	(a)	*	*	*
Mass.	*	*	*	*	*
Mich.	*	95	-	-	6
Minn.	-	-	-	-	-
Miss.	38	76	-	-	38
Mo.	3,778	4,154	827	834	6
Mont.	27	135	27	-	27
Nebr.	-	-	-	-	-
Nev.	128	1,426	128	-	471
N.H.	-	-	-	-	-
N.J.	470	11,565	2,770	2,770	32
N.M.	*	1,880	376	376	376
N.Y.	-	-	-	-	-
N.C.	159	318	-	-	159
N.D.	-	-	-	-	-
Ohio	295	1,021	183	126	210
Okla.	*	*	*	*	*
Ore.	96	480	96	96	96
Pa.	86	260	-	-	86
R.I.	424	734	40	43	270
S.C.	*	1,386	366	305	283
S.D.	*	*	*	*	*
Tenn.	266	923	266	-	266
Tex.	627	1,690	107	107	396
Utah	649	691	-	-	96
Vt.	68	144	20	20	28
Va.	49	196	-	-	49
Wash.	393	326	16	10	47
W. Va.	-	-	-	-	-
Wisc.	313	450	200	114	-
Wyo.	-	-	-	-	-
P.R.	*	6,683	1,665	2,635	775
V.I.	-	-	-	-	-

TABLE 8-15. SANITARY BACTERIOLOGY: FOOD SAMPLES
(Continued)

	Enteric Cultures	Enterococcus Culture	Anaerobic Culture	Animal Inoculation	Filth	Other
Ala.	384	128	64	5	19	-
Alaska	18	-	5	-	101	-
Ariz.	80	-	28	-	6	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	215	215	9	7	12	-
Conn.	771	-	259	-	-	42 (b)
Del.	107	107	-	-	107	-
D.C.	*	*	*	*	*	*
Fla.	1,057	158	79	40	79	-
Ga.	159	-	33	-	-	187 (c)
Hawaii	96	2	12	4	2	6 (d)
Ida.	37	66	5	-	-	-
Ill.	161	-	161	-	-	-
Ind.	189	-	49	2	953	-
Ia.	28	56	28	-	3	-
Kans.	38	-	3	-	-	-
Ky.	968	147	116	-	-	1,062 (e)
La.	115	115	115	-	1,500	-
Me.	16	16	16	-	-	-
Md.	*	*	*	*	*	*
Mass.	*	*	*	*	*	*
Mich.	2	-	3	-	-	84
Minn.	-	-	-	-	-	-
Miss.	38	-	-	-	-	-
Mo.	6	-	-	-	827	1,654 (f)
Mont.	27	27	27	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	639	86	102	-	-	-
N.H.	-	-	-	-	-	-
N.J.	5,758	5	53	135	42	-
N.M.	376	*	376	-	*	-
N.Y.	-	-	-	-	-	-
N.C.	159	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	200	90	92	-	-	120 (g)
Okla.	*	*	*	*	*	*
Ore.	96	-	96	-	-	-
Pa.	-	86	86	2	-	-
R.I.	294	-	79	1	-	7 (h)
S.C.	194	181	22	-	-	35 (i)
S.D.	*	*	*	*	*	*
Tenn.	266	-	125	-	-	-
Tex.	396	-	10	3	440	231 (j)
Utah	501	82	12	-	-	-
Vt.	28	28	10	-	10	-
Va.	49	49	49	-	-	-
Wash.	5	4	4	-	-	240 (k)
W. Va.	-	-	-	-	-	-
Wisc.	136	-	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	493	775	340	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-16. SANITARY BACTERIOLOGY: SEA FOOD SAMPLES

	Specimens	Examinations	Standard Plate Count	Coliform MPN	Coliform Count	Fecal Coliform MPN	Other
Ala.	772	3,354	1,117	1,095	-	1,095	47 (1)
Alaska	68	248	60	60	60	60	8
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	21	106	21	21	21	21	22 (m)
Del.	115	345	115	115	-	115	-
D.C.	*	*	*	*	*	*	*
Fla.	610	1,892 (n)	610	610	-	610	62 (o)
Ga.	28	81	28	28	-	25	-
Hawaii	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	65	108	55	-	-	53	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	56	392	112	56	112	112	-
La.	*	920	227	227	227	227	12 (p)
Me.	-	-	-	-	-	-	-
Md.	1,977	5,919	2,456	1,595	-	1,868	-
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	323	874	323	228	-	323	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	1,158	3,221	1,158	1,158	-	905	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	44	216	37	-	37	-	142 (q)
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	*	1,662	48	792	-	754	68 (r)
Pa.	-	-	-	-	-	-	-
R.I.	274	402	214	143	45	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	12	36	12	12	-	12	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	144	345	85	121	-	139	-
W. Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-

TABLE 8-17. SANITARY BACTERIOLOGY: UTENSIL BACTERIAL COUNTS AND MISCELLANEOUS

	Utensil Bacterial Counts				Miscellaneous Sanitary Bacteriology		
	Specimens	Examinations	Standard Plate Counts	Coliform Counts	Other	Specimens	Examinations
Ala.	434	434	-	-	434 (s)	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	6	6	*	*	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	32	32	*	*	-	-	-
Conn.	186	186	-	-	186 (t)	432 (u)	629 (u)
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	3,016	3,016	*	*	*	829 (v)	3,666 (v)
Ga.	-	-	-	-	-	-	-
Hawaii	975	1,134	975	159	-	-	-
Ida.	*	2,667	1,334	1,331	2	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	136	168	135	33	-	-	-
Ky.	-	-	-	-	-	-	-
La.	*	1,615	*	*	-	-	-
Me.	(w)	-	-	-	-	-	-
Md.	1,085	1,085	*	*	-	171 (x)	504 (x)
Mass.	*	*	*	*	*	*	*
Mich.	*	4,489	4,489	-	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	44	44	*	*	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-
N.D.	3,755	3,755	*	*	-	-	-
Ohio	-	-	-	-	-	1,504 (y)	1,504 (y)
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R.I.	7	7	*	*	-	-	-
S.C.	*	883	*	*	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	6,460	6,460	*	*	-	-	-
Tex.	518	518	*	*	-	-	-
Utah	278	278	*	*	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	328 (z)	373 (z)
W. Va.	55	110	-	-	110 (aa)	-	-
Wisc.	1,200	1,200	*	*	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	4,096	4,096	*	*	-	-	-
V.I.	504	1,008	504	504	-	-	-

FOOTNOTES FOR TABLES 8-15 - 8-17.

- (a) All examinations in table are performed, but figures not available.
- (b) Yeast and mold, 10 examinations; meat serology, identification of species, 32 examinations.
- (c) Staph, Entero Toxin.
- (d) Fungi.
- (e) Mold cultures, 900; membrane filter cultures, 162.
- (f) Yeast, 827; mold, 827.
- (g) Microscopic, 113; mouse feedings, 7.
- (h) Coliform MPN.
- (i) Clostridium perfringens, 22; fecal coliform, 13.
- (j) Frozen egg - DMC.
- (k) Salmonella culture only.
- (l) Drained liquid.
- (m) E. coli confirmed, 21; yeast and mold, 1.
- (n) Examination of shellfish in Marine Laboratory (Bureau of Sanitary Engineering) not included.
- (o) Chemical toxin (Shellfish).
- (p) Ciguatera poisoning.
- (q) Miscellaneous examinations.
- (r) Fecal strep. - MPN, 65; Bioassay for Paresthetic Poison, 3.
- (s) Swabs, 92; milk containers, 342.
- (t) Swab plate counts.
- (u) Represents sewage: 193 specimens and the following examinations, coliform MPN, 190; coliform confirmed, 190; membrane filters, 6; standard plate count, 3. Sterility tests on milk plant equipment, milk containers, etc.: 239 specimens; and the following examinations, coliform MPN, 1; standard plate count, 128; broth rise, 88; and swab plate count, 23.
- (v) Environmental Swabs (TB)
- (w) Service of Sanitary Engineering Laboratory (335 swab rinses performed).
- (x) Sterility of bottles.
- (y) Eggs - salmonella cultures.
- (z) Stools for Cl. perfringens, 10; animal feeds - salmonellae, 31; Special investigations; creek water - salmonella, 101; other environmental samples, 186 specimens, 231 examinations.
- (aa) Pasteurized milk containers.

TABLE 8-18. MYCOLOGY: DERMATOPHYTES

	Specimens	Examinations	Positives	Microscopic Examinations	Cultures
Ala.	47	329	25	47	282
Alaska	112	112	18	6	106
Ariz.	3	5	1	3	2
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	12	24	12	12	12
Conn.	411	411	118	-	411
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	4,438 (a)	8,876 (a)	1,945 (a)	4,438 (a)	4,438 (a)
Ga.	364	364	171	-	364
Hawaii	1,194 (a)	3,960	105	823	3,137
Ida.	*	455 (a)	*	60 (a)	395 (a)
Ill.	566	566	200	-	566
Ind.	642	1,284	249	642	642
Ia.	17	34	7	17	17
Kans.	5	10	1	5	5
Ky.	32	53	8	14	39
La.	*	282	141	141	141
Me.	10	230	6	200	30
Md.	53	96	20	43	53
Mass.	*	*	*	*	*
Mich.	1,266	3,262	247	2,161	1,101
Minn.	80	15	15	-	15
Miss.	1,048 (a)	*	10	*	*
Mo.	34	68	34	34	34
Mont.	13	52	1	26	26
Nebr.	7	17	2	5	12
Nev.	*	42	*	24	18
N.H.	-	-	-	-	-
N.J.	25	150	3 (b)	50	100
N.M.	*	260	*	*	260
N.Y.	1,283	2,566	330	1,283	1,283
N.C.	283	566	19	283	283
N.D.	314	*	*	*	*
Ohio	603 (a)	938 (a)	34	335 (a)	150 (a)
Okla.	*	*	*	*	*
Ore.	102	*	16	*	*
Pa.	20	40	4	20	20
R.I.	1	1	1	-	1
S.C.	*	13	4	4	9
S.D.	*	*	*	*	*
Tenn.	530	530	98	-	530
Tex.	2,708	2,655	440	-	2,655
Utah	18	36	*	18	18
Vt.	50	80	*	40	40
Va.	41	54	6	13	41
Wash.	258 (a)	265	15	106	159
W. Va.	-	-	-	-	-
Wisc.	656	2,914	222	656	2,258
Wyo.	-	-	-	-	-
P.R.	*	68	17	28	40
V.I.	18	32	2	14	18

TABLE 8-19. MYCOLOGY: SYSTEMIC FUNGI

	Specimens	Examinations	Positives	Microscopic Examinations	Cultures	Referred Cultures
Ala.	258	2,381	70	774	1,548	59
Alaska	11	11	11	-	11	-
Ariz.	1,430	4,296	570	1,929	1,932	435
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	114	201	*	114	87	-
Conn.	432	17,591	1,776	17,122	377	92
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	(c)	(c)	(c)	(c)	(c)	(c)
Ga.	664	664	241	-	462	202
Hawaii	(c)	420	207	210	210	-
Ida.	*	(c)	*	(c)	(c)	-
Ill.	420	685	167	265	265	155
Ind.	555	1,110	546	191	555	364
Ia.	1,099	2,199	358	1,099	1,099	-
Kans.	142	365	26	142	142	81
Ky.	*	1,947	74	186	1,705	56
La.	*	342	172	171	171	*
Me.	139	1,398	87	958	417	23
Md.	378	1,053	156	55	430	568
Mass.	*	*	*	*	*	*
Mich.	1,490	3,281	232	1,588	1,674	19
Minn.	1,561	3,265	397	1,561	1,641	63
Miss.	(c)	*	249	*	*	*
Mo.	40	2,978	430	40	40	54
Mont.	19	118	5	38	76	4
Nebr.	4	14	*	6	8	-
Nev.	18	108	*	24	18	66
N.H.	-	-	-	-	-	-
N.J.	80	717	28	240	400	77
N.M.	*	38	*	*	*	38
N.Y.	*	951	44	247	247	457
N.C.	283	566	74	283	283	-
N.D.	*	*	*	*	*	*
Ohio	(c)	(c)	116	(c)	(c)	453
Okla.	*	*	*	*	*	*
Ore.	100	228	23	100	100	28
Pa.	99	103	37	3	3	96
R.I.	345	355	3	345	10	-
S.C.	*	620	80	215	405	-
S.D.	*	*	*	*	*	*
Tenn.	1,445	1,512	91	1	1,445	66
Tex.	494	421	178	-	68	353
Utah	74	165	*	74	74	13
Vt.	10	20	*	10	10	-
Va.	507	596	204	109	487	-
Wash.	(c)	1,206	42	402	804	-
W. Va.	121	663	49	300	147	216
Wisc.	1,906	9,904	706	1,906	7,753	245
Wyo.	-	-	-	-	-	-
P.R.	*	165	20	6	109	50
V.I.	33	64	33	31	33	-

TABLE 8-20. MYCOLOGY: FA EXAMINATIONS FOR SYSTEMIC FUNGI

	Blastomyces dermatitidis		Coccidioides immitis		Histoplasma capsulatum		Sporotrichum schenckii	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	1	1	-	-
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	885	149	885	9	1,074	246	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	*	*	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	1	-	-	-	-	1	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	-	-	4	4	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-21. PARASITOLOGY: INTESTINAL PARASITES

	Specimens	Examinations	Positives
Ala.	18,178	36,064	4,827
Alaska	600	655	14
Ariz.	171	351	21
Ark.	*	*	*
Cal.	*	*	*
Colo.	316	287	48
Conn.	12,760	16,608	2,754
Del.	243	956	16
D.C.	*	*	*
Fla.	118,075	119,279	18,294
Ga.	75,723	77,112	11,044
Hawaii	2,667	5,328	156
Ida.	*	631	24
Ill.	2,082	3,978	561
Ind.	2,255	3,755	673
Ia.	252	766	18
Kans.	3,931	3,934	451
Ky.	2,804	3,083	894
La.	*	98,415	14,942
Me.	30	124	3
Md.	9,044	12,311	1,432
Mass.	*	*	*
Mich.	1,915	*	114
Minn.	2,722	7,800	270
Miss.	15,215	15,215	4,619
Mo.	48	88	10
Mont.	74	74	11
Nebr.	224	409	46
Nev.	196	362	55
N.H.	186	376	12
N.J.	918	1,296	253
N.M.	*	750	25
N.Y.	215	412	24
N.C.	15,649	15,628	3,767
N.D.	925	230	*
Ohio	691	1,294	163
Okla.	*	*	*
Ore.	549	1,123	46
Pa.	217	574	76
R.I.	314	628	126
S.C.	21,415	21,346	3,636
S.D.	*	*	*
Tenn.	3,217	6,277	515
Tex.	9,248	11,043	1,610
Utah	1,598	1,847	*
Vt.	215	215	12
Va.	20,586	21,175	1,718
Wash.	1,053	1,082	127
W. Va.	494	1,015	129
Wisc.	3,048	4,559	357
Wyo.	32	32	1
P.R.	*	1,566	1,225
V.I.	7,336	7,336	882

TABLE 8-21. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Examinations					
	Direct Wet Mount	Concentration Wet Mount	Stained Smear	Pinworm Slide	Culture Amoebae	Other
Ala.	16,722	-	31	834	-	18,477 (d)
Alaska	258	315	66	16	-	-
Ariz.	95	151	105	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	85	112	90	-	-	-
Conn.	286	4,322	3,850	8,150	-	-
Del.	484	242	-	230	-	-
D.C.	*	*	*	*	*	*
Fla.	1,180	106,268	23	11,808	-	-
Ga.	1,148	55,832	417	19,476	-	239 (e)
Hawaii	2,613	2,650	1	64	-	-
Ida.	295	304	-	32	-	-
Ill.	1,896	1,896	*	186	*	-
Ind.	154	1,440	1,417	744	-	-
Ia.	258	250	252	6	-	-
Kans.	3	3,643	-	288	-	-
Ky.	-	2,907	7	169	-	-
La.	49,018	49,018	-	379	-	-
Me.	30	60	30	4	-	-
Md.	3,333	3,330	-	5,648	-	-
Mass.	*	*	*	*	*	*
Mich.	*	*	*	*	*	*
Minn.	2,539	5,078	-	183	-	-
Miss.	-	15,215	-	(f)	-	-
Mo.	48	40	-	-	-	-
Mont.	-	74	-	-	-	-
Nebr.	85	165	112	47	-	-
Nev.	133	151	67	11	-	-
N.H.	186	186	-	4	-	-
N.J.	411	791	92	2	-	-
N.M.	375	375	*	*	-	-
N.Y.	193	193	4	22	-	-
N.C.	-	15,484	-	144	-	-
N.D.	*	*	*	230	*	*
Ohio	598	598	5	93	-	-
Okla.	*	*	*	*	*	*
Ore.	549	549	20	5	-	-
Pa.	111	192	127	144	-	-
R.I.	314	314	-	-	-	-
S.C.	-	21,159	-	187	-	-
S.D.	*	*	*	*	*	*
Tenn.	3,060	3,065	-	152	-	-
Tex.	5,406	5,318	56	231	32	-
Utah	237	1,516	12	82	-	-
Vt.	-	205	-	10	-	-
Va.	-	12,215	16	8,944	-	-
Wash.	37	688	12	345	-	-
W. Va.	494	494	15	12	-	-
Wisc.	1,260	1,260	50	1,303	686	-
Wyo.	-	32	-	-	-	-
P.R.	-	1,565	1	-	-	-
V.I.	-	7,111	80	145	-	-

TABLE 8-21. PARASITOLOGY: INTESTINAL PARASITES
(Continued)

	Positives		
	Entamoeba histolytica	Other Protozoa	Helminths
Ala.	52	2,352	2,423
Alaska	-	11	3
Ariz.	*	*	*
Ark.	*	*	*
Cal.	*	*	*
Colo.	*	*	*
Conn.	26	461	2,267
Del.	3	3	*
D.C.	*	*	*
Fla.	98	7,955	*
Ga.	16	542	10,486
Hawaii	-	26	130
Ida.	*	*	*
Ill.	45	516	-
Ind.	18	331	324
Ia.	-	16	2
Kans.	7	381	63
Ky.	-	-	-
La.	98	4,403	9,620
Me.	-	2	1
Md.	96	565	1,243
Mass.	*	*	*
Mich.	4	63	47
Minn.	3	154	113
Miss.	15	2,093	2,511
Mo.	-	9	1
Mont.	1 (g)	-	-
Nebr.	1	23	20
Nev.	*	2	*
N.H.	-	10	2
N.J.	-	150	103
N.M.	*	*	*
N.Y.	4	-	20
N.C.	2	1,405	2,226
N.D.	*	*	*
Ohio	6	109	48
Okla.	*	*	*
Ore.	1	26	19
Pa.	6	58	*
R.I.	-	10	116
S.C.	41	96	3,321
S.D.	*	*	*
Tenn.	19	142	354
Tex.	74	1,095	244
Utah	*	*	*
Vt.	-	10	2
Va.	9	1,228	-
Wash.	12	120	85
W. Va.	3	61	65
Wisc.	35	15	193
Wyo.	1	-	-
P.R.	5	429	791
V.I.	1	266	615

TABLE 8-22. PARASITOLOGY: BLOOD PARASITES

	Microscopic		
	Specimens	Examinations	Positives (h)
Ala.	20	7	2
Alaska	3	3	-
Ariz.	-	-	-
Ark.	*	*	*
Cal.	*	*	*
Colo.	-	-	-
Conn.	8	8	1
Del.	*	*	1
D.C.	*	*	*
Fla.	47	47	4
Ga.	97	97	-
Hawaii	-	-	-
Ida.	*	*	5
Ill.	35	35	4
Ind.	25	25	-
Ia.	37	74	19
Kans.	5	5	-
Ky.	4	4	-
La.	*	19	6
Me.	-	-	-
Md.	8	8	-
Mass.	*	*	*
Mich.	*	*	7
Minn.	17	17	2
Miss.	61	61	2
Mo.	11	11	3
Mont.	-	-	-
Nebr.	2	2	1
Nev.	-	-	-
N.H.	-	-	-
N.J.	83	83	79
N.M.	*	6	1
N.Y.	24	24	21
N.C.	27	27	2
N.D.	6	*	*
Ohio	7	7	5
Okla.	*	*	*
Ore.	30	30	7
Pa.	15	15	3
R.I.	*	*	1
S.C.	-	-	-
S.D.	*	*	*
Tenn.	55	55	10
Tex.	243	*	194 (h)
Utah	2	2	2
Vt.	2	2	1
Va.	15	15	-
Wash.	8	14	-
W. Va.	-	-	-
Wisc.	5	*	3
Wyo.	-	-	-
P.R.	-	-	-
V.I.	23	*	23 (h)

TABLE 8-23. PARASITOLOGY: TRICHOMONAS

Examination of Genital Smears:			
	Specimens	Examinations	Positives
Ala.	4,081	23,327	3,215
Alaska	5	5	2
Ariz.	112	112	112
Ark.	*	*	*
Cal.	*	*	*
Colo.	-	-	-
Conn.	(i)	17,092	1,716
Del.	-	-	-
D.C.	*	*	*
Fla.	63,915	63,915	6,491
Ga.	-	14,770	2,633
Hawaii	-	10	3
Ida.	-	-	-
Ill.	33,064	33,064	3,895
Ind.	(1)	14,839	1,943
Ia.	145	290	145
Kans.	-	-	-
Ky.	-	-	-
La.	-	-	-
Me.	-	-	-
Md.	10,785	10,785	3,655
Mass.	*	*	*
Mich.	-	-	-
Minn.	-	1,046	807
Miss.	-	-	-
Mo.	1,141	*	1,141
Mont.	-	-	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	-	-	-
N.Y.	-	-	-
N.C.	-	-	-
N.D.	-	-	-
Ohio	459 (i)	459	459
Okla.	*	*	*
Ore.	-	-	-
Pa.	209	209	168
R.I.	3,390	3,390	709
S.C.	*	9,238	594
S.D.	*	*	*
Tenn.	128	128	14
Tex.	-	-	-
Utah	*	(j)	*
Vt.	-	-	-
Va.	-	-	-
Wash.	-	-	-
W. Va.	-	3,685	429
Wisc.	4,232	4,232	413
Wyo.	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 8-24. PARASITOLOGY: PARASITES AND ARTHROPODS

	Parasites for Identification		Arthropods for Identification	
	Specimens	Examinations	Specimens	Examinations
Ala.	5	5	37	37
Alaska	-	-	3	3
Ariz.	-	-	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	15	15 (k)	10	10
Del.	3	3	-	-
D.C.	*	*	*	*
Fla.	56	56	-	-
Ga.	84	84	-	-
Hawaii	3	4	-	-
Ida.	-	-	-	-
Ill.	7	7	-	-
Ind.	2	2	7	7
Ia.	9	9	-	-
Kans.	3	3	1	1
Ky.	-	-	3	3
La.	7	7 (1)	-	-
Me.	1	1	-	-
Md.	10	10	5	5
Mass.	*	*	*	*
Mich.	-	-	-	-
Minn.	10	10	1	1
Miss.	-	-	-	-
Mo.	-	-	2	2
Mont.	-	-	-	-
Nebr.	-	-	5	5
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	1	1	1	1
N.M.	*	*	*	*
N.Y.	-	-	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	2	2 (m)	2	2
Okla.	*	*	*	*
Ore.	-	-	27	27
Pa.	-	-	-	-
R.I.	2	2	2	2
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	42	42	52,200	52,200
Utah	-	-	-	-
Vt.	3	3	5	5
Va.	-	-	-	-
Wash.	3	3	1	1
W. Va.	-	-	2	2
Wisc.	13	13	14 (n)	14
Wyo.	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

FOOTNOTES. TABLES 8-18 - 8-24.

- (a) Includes Systemic Fungi.
- (b) C. neoformans isolated from nasal and cheek lesions of a cat.
- (c) Included with Dermatophytes, Table 8-18.
- (d) Salt Flotation.
- (e) Egg counts.
- (f) Included under "Concentration Wet Mount".
- (g) Other positives reported were: Entamoeba coli, 5; Chilomastix mesnili, 1; Giardia lamblia, 5; Hymenolepis nana, 1.
- (h) All positives reported represent malaria with two exceptions. Texas reported 3 positives for Trypanosomes, and V.I. had 15 Filaria positives.
- (i) Examination for trichomonas made on smears submitted for Neisseria gonorrhoeae.
- (j) Reported when found on Gc smear.
- (k) Includes 2 examinations of pork for T. spiralis.
- (l) Adult worms.
- (m) Examinations of meat for trichinella.
- (n) Includes 4 spiders, pseudoscorpions, etc.

TABLE 8-25. VIROLOGY

	Total Specimens	Total Examinations	Total Positives
Ala.	214	1,198	22
Alaska	-	-	*
Ariz.	122	197	*
Ark.	*	*	*
Cal.	*	*	*
Colo.	667	*	44
Conn.	1,624	3,898	105
Del.	-	-	-
D.C.	*	*	*
Fla.	15,899	5,930	61
Ga.	948	4,437	69
Hawaii	1,619	4,953	162
Ida.	*	3,426	8
Ill.	1,414	5,516	86
Ind.	-	-	-
Ia.	519	11,749	72
Kans.	156	(a)	18
Ky.	281	584	4
La.	*	36,028	8
Me.	-	-	-
Md.	*	1,611	76
Mass.	*	*	*
Mich.	818	8,179	65
Minn.	1,391	5,702	109
Miss.	-	-	-
Mo.	89	136	4
Mont.	304	397	42
Nebr.	-	(b)	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	30,723	195,489	137
N.M.	*	2,929	13
N.Y.	4,592	15,663	79
N.C.	407	5,718	125
N.D.	-	-	-
Ohio	3,232	4,007	26
Okla.	*	*	*
Ore.	496	1,155	66
Pa.	1,866	33,654	*
R.I.	-	-	-
S.C.	211	730	*
S.D.	*	*	*
Tenn.	596	1,709	25
Tex.	117,466	123,590	168
Utah	482	1,144	*
Vt.	71	187	*
Va.	185	394	2
Wash.	335	9,004	44
W. Va.	201	898	30
Wisc.	1,435	6,046	131
Wyo	-	-	-
P.R.	*	2,325	*
V.I.	-	-	-

TABLE 8-26. VIROLOGY: HUMAN SOURCE SPECIMENS

	Throat Washings	Fecal	CSF	Blood	Tissue	Other
Ala.	61	73	13	39	4	20
Alaska	-	-	-	-	-	-
Ariz.	*	*	*	*	*	*
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	94	46	38	480	-	-
Conn.	480	780	68	94	116	86 (c)
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	90	721	45	7,834	46	-
Ga.	224	240	137	8	(d)	90
Hawaii	615	380	223	328	55	18
Ida.	*	*	*	*	*	*
Ill.	282	686	196	6	105	139 (e)
Ind.	-	-	-	-	-	-
Ia.	123	80	27	5	9	31
Kans.	9	111	29	-	2	5
Ky.	68	108	87	2	7	9
La.	*	*	*	*	*	*
Me.	-	-	-	-	-	-
Md.	*	*	*	*	*	*
Mass.	*	*	*	*	*	*
Mich.	68	649	40	-	27	34
Minn.	97	901	196	4	44	62
Miss.	-	-	-	-	-	-
Mo.	17	40	20	1	4	7
Mont.	12	15	11	260	2	4
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	72	1,136	384	1,760	177	137
N.M.	*	*	*	*	*	*
N.Y.	24	722	180	1,746	89	238
N.C.	110	154	-	-	133	9 (f)
N.D.	-	-	-	-	-	-
Ohio	211	424	168	42	40	65
Okla.	*	*	*	*	*	*
Ore.	185	205	36	-	50	20
Pa.	423	547	283	10	116	487
R.I.	-	-	-	-	-	-
S.C.	90	95	21	3	2	-
S.D.	*	*	*	*	*	*
Tenn.	75	285	191	2	14	24
Tex.	72	431	150	2,810	43	-
Utah	*	*	*	*	*	*
Vt.	29	17	12	6	5	1
Va.	77	55	31	2	12	8
Wash.	18	237	43 (g)	(g)	(g)	(g)
W. Va.	6	56	20	106	8	5
Wisc.	496	565	187	6	80	100
Wyo.	-	-	-	-	-	-
P.R.	*	*	*	*	*	*
V.I.	-	-	-	-	-	-

TABLE 8-27. VIROLOGY: ISOLATION ATTEMPTS

	Embryonated Eggs	Monkey Kidney	HEp Cells	HeLa TC	Adult Mice	Suckling Mice	Human Amnion	WI-38	Other
Ala.	288	572	-	-	-	288	-	-	-
Alaska	-	-	-	-	-	-	-	-	-
Ariz.	-	144	-	-	-	-	-	-	53 (h)
Ark.	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*
Colo.	*	*	*	*	*	*	*	*	*
Conn.	1	1,612	1,612	-	-	-	-	-	216 (i)
Del.	-	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*	*
Fla.	-	902	884	-	45 (j)	(j)	-	-	180 (k)
Ga.	53	1,842	-	-	1,221	-	-	-	1,114 (l)
Hawaii	40	1,619	-	1,619	-	402	-	1,121	-
Ida.	482	700	362	-	-	-	-	-	-
Ill.	-	1,366	-	-	-	-	-	-	2,643
Ind.	-	-	-	-	-	-	-	-	-
Ia.	54	2,435	1,153	-	688 (j)	(j)	1,193	-	-
Kans.	-	-	-	-	-	-	-	-	-
Ky.	9	337	-	182	-	12	-	-	-
La.	9	194	-	9	-	367	-	-	-
Me.	-	-	-	-	-	-	-	-	-
Md.	101	767	-	-	-	-	-	-	743 (m)
Mass.	*	*	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*	*	*
Minn.	65	1,386	-	1,387	-	-	1,388	-	-
Miss.	-	-	-	-	-	-	-	-	-
Mo.	1	88	-	-	-	-	-	-	15 (n)
Mont.	7	-	50	-	-	-	-	-	80 (o)
Nebr.	-	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-	-
N.J.	470	7,624	7,624 (p)	(p)	-	-	-	68	1,246 (q)
N.M.	-	504	-	-	-	-	-	-	806 (r)
N.Y.	115	1,253	-	-	-	2,690	1,253	-	-
N.C.	163	1,464	1,432 (s)	-	75	546	-	-	-
N.D.	-	-	-	-	-	-	-	-	-
Ohio	59	901	600	125	-	-	-	-	5 (h)
Okla.	*	*	*	*	*	*	*	*	*
Ore.	400	563	-	-	-	-	-	-	-
Pa.	6,435	20,998	222	3,181	-	-	-	1,160	-
R.I.	-	-	-	-	-	-	-	-	-
S.C.	90	211	150	-	-	-	-	-	150 (t)
S.D.	*	*	*	*	*	*	*	*	*
Tenn.	25	692	692	-	-	240	-	-	-
Tex.	37	710	-	710	-	7,844	-	-	460 (u)
Utah	19	290	290	-	-	-	290	-	12 (v)
Vt.	4	70	70	-	33	-	-	-	-
Va.	27	174	174	-	5	-	-	-	-
Wash.	8	3,328	1,108	-	-	-	-	-	1,108 (w)
W. Va.	20	264	56	-	-	54	-	3	-
Wisc.	-	1,450	1,383	-	1,676	-	-	-	1,401 (x)
Wyo.	-	-	-	-	-	-	-	-	-
P.R.	243	2,036	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-	-

FOOTNOTES. TABLES 8-25 - 8-27.

- (a) All virus exams made by NCDC Field Station, Kansas City, Kansas. State Lab. lacked facilities due to tornado of June 1966.
- (b) Performed at University of Nebraska College of Medicine.
- (c) This includes 8 evaluation specimens.
- (d) Included with "Other".
- (e) Tissue culture fluids, 90; other, 49.
- (f) Includes 5 evaluation specimens.
- (g) CSF, Blood, Tissue, and "Other" included in one figure.
- (h) Animal inoculation.
- (i) Mycoplasma medium.
- (j) Adult and suckling mice combined.
- (k) RU-1 (Human Fibroblast).
- (l) Miscellaneous cell lines.
- (m) PPLO isolations, 20; Rubella isolations, 22; animal inoculations, 701.
- (n) Duck embryo.
- (o) RU-1, 12; KB, 38; L, 30.
- (p) HEp 2 and HeLa combined.
- (q) DETC, 810; green monkey kidney TC, 436.
- (r) Human embryonic lung, 326; Diploid human lung, 480.
- (s) This figure includes HEp-2, WI-38 and RU-1.
- (t) WI-26.
- (u) Monkey kidney, LLC, 337; baby hamster kidney, 123.
- (v) African Green.
- (w) Human embryonic lung.
- (x) Diploid.

TABLE 8-28. VIROLOGY: IDENTIFICATIONS BY METHOD

	Hemagglutination Inhibition	Hemadsorption Inhibition	Complement Fixation	Tissue Culture Neutralization	Animal Neutralization	FA	Other
Ala.	-	-	-	32	2	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	*	*	*	*	*	*	*
Conn.	1	-	8	273	-	-	175 (a)
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	-	28	33	-	-	-
Ga.	-	-	-	176	31	-	-
Hawaii	2	5	29	107	9	-	-
Ida.	16	-	602	1,032	-	231	-
Ill.	8	772	8	716	-	-	3 (b)
Ind.	-	-	-	-	-	-	-
Ia.	-	-	146	1,000	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	2	-	17	25	-	-	-
La.	-	-	-	-	109	-	-
Me.	-	-	-	-	-	-	-
Md.	-	-	-	-	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	463	-	7,290	385	41	-	-
Minn.	-	-	-	1,223	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	28	-	-	4	-	-	-
Mont.	-	-	260	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	96	7	-	4,496	9,100	97	-
N.M.	*	*	*	*	*	-	-
N.Y.	-	75	6,162	1,670	785	-	-
N.C.	69	105	38	1,545	155	-	126 (c)
N.D.	-	-	-	-	-	-	-
Ohio	-	-	5	26	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	60	60	12	60	-	-	-
Pa.	47	1,267	-	344	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	2	86	3	38	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	1	1	2	49	2	-	-
Tex.	-	-	94	95	-	4	-
Utah	2	-	-	8	17	18	198 (d)
Vt.	-	-	2	6	-	-	-
Va.	1	-	-	13	-	-	-
Wash.	138	7	3,270	-	-	-	-
W. Va.	90 (e)	90 (e)	-	321	-	-	-
Wisc.	-	-	1	113	21	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	24	-	12	-	-	-	10 (f)
V.I.	-	-	-	-	-	-	-

TABLE B-29. VIROLOGY: ANIMAL AND MISCELLANEOUS SOURCE SPECIMENS AND EXAMINATIONS

	Total Animal Source Specimens	Total Animal Source Exams	Horses		Birds	
			Specimens	Exams	Specimens	Exams
Ala.	4	16	-	-	4	16
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	9	9	3	6	6	3
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	7,163	3,858	-	-	*	40 (g)
Ga.	249	*	41	*	5	*
Hawaii	-	-	-	-	-	-
Ida.	*	*	-	-	*	1
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	204	3,782	-	-	1	24
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	*	35,340	-	-	*	5,310
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	4	4	-	-	4	4
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	27,057	164,652	7	35	12,570	62,850
N.M.	*	*	*	*	*	*
N.Y.	1,593	854	-	-	-	-
N.C.	1	(h)	1	(h)	-	-
N.D.	-	-	-	-	-	-
Ohio	2,282	2,282	2	2	5	5
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	5	5	2	2	3	3
Tex.	113,960	113,636	1	1	18	18
Utah	-	-	-	-	-	-
Vt.	1	2	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	37	37	-	-	-	-
W. Va.	-	-	-	-	25	25
Wisc.	1	1	-	-	1	1
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-29. VIROLOGY: ANIMAL AND MISCELLANEOUS SOURCE SPECIMENS AND EXAMINATIONS
(Continued)

	Mosquitoes		Others		Misc. Source	
	Specimens	Exams	Specimens	Exams	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	1,067 (i)	1,077 (i)	*	2,741 (j)	-	-
Ga.	199 (i)	*	4	*	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	201	3,712	2	46 (k)	40 (l)	1,298
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	*	30,000 (i)	*	30 (m)	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	83 (n)	249
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	5,579 (i)	40,535	8,901	61,241 (o)	-	-
N.M.	*	2	-	-	-	-
N.Y.	117 (p)	15 (p)	1,476 (p)	839 (p)	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	2,275 (i)	2,275 (i)	-	-	-	-
Okla.	*	*	*	*	*	4(q)
Ore.	-	-	-	-	-	*
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	113,606	113,605	335 (r)	12 (r)	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	1	2	-	-
Va.	-	-	-	-	-	-
Wash.	12	12	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-30. VIROLOGY: TOTAL POSITIVE FINDINGS

	Total Positives	Adenovirus	Bunyamwera	California Complex	Colorado Tick Fever	Coxsackie	Coxsackie A	Coxsackie A 9	Coxsackie B	Cytomegalic Inclusion Bodies	EEE	ECHO	ECHO 4
Ala.	22	1							13				
Alaska	-												
Ariz.	*												
Ark.	*												
Cal.	*												
Colo.	44	1						3	3			2	
Conn.	105	19						4	25			13	
Del.	-												
D.C.	*												
Fla.	61	7	7	4				1	20		5	3	
Ga.	69	1		1				4	19		8	12	8
Hawaii	162	29					3		31			1	9
Ida.	8							1	1				
Ill.	86	5							17			19	
Ind.	-												
Ia.	72	2						1	12			1	1
Kans.	18							14	2			1	1
Ky.	4	1							1			1	
La.	8								5			3	
Me.	-												
Md.	76	9							14			23	
Mass.	*												
Mich.	65	1					23	3	4			25	
Minn.	109	10							42	12		13	1
Miss.	-												
Mo.	4	1										1	
Mont.	42	8			4				5				
Nebr.	-												
Nev.	-												
N.H.	-												
N.J.	137	11				15					63	15	
N.M.	13	2							8				
N.Y.	79	4					16	1	12			8	
N.C.	125	4					15	14	52			8	1
N.D.	-												
Ohio	26								6				
Okla.	*												
Ore.	66								60			1	1
Pa.	*												
R.I.	-												
S.C.	*												
S.D.	*												
Tenn.	25	1						1	2			11	
Tex.	168		1						30			1	
Utah	*												
Vt.	*												
Va.	2												
Wash.	44	4							21			7	
W. Va.	30											1	
Wisc.	131	24					18	14	12			13	
Wyo.	-												
P.R.	-												
V.I.	-												
Totals	1,801	145	8	5	4	15	76	67	426	12	76	172	22

TABLE 8-30. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	ECHO 6	ECHO 9	Hart-Park	Herpes Simplex	Influenza	Measles	Mumps	Parainfluenza	Polio I	Polio II	Polio III	Psittacosis	REO
Ala.				1	1			1		1		1	
Alaska													
Ariz.													
Ark.													
Cal.													
Colo.		1		23			1				3		
Conn.	4	3		16	17					4			
Del.													
D.C.													
Fla.	2	2	2	2					3	2			
Ga.	2	5		1									
Hawaii	6	60		3	2		1	5		1		2	
Ida.		1			2		2						
Ill.		12		12			1	1	3	7			
Ind.													
Ia.	4			3		1					1		
Kans.													
Ky.		1											
La.													
Me.													
Md.	3	2			2			3		2			2
Mass.													
Mich.				1					2	5			
Minn.	1	1						1	4	13	9		1
Miss.													
Mo.	1	1											
Mont.				5	7	2	4						
Nebr.													
Nev.													
N.H.													
N.J.				3	3		1		5 (s)				
N.M.									1		2		
N.Y.	1			3	9		1	2	4	6	4		1
N.C.		25								1			
N.D.													
Ohio		13		1						1	1		
Okla.													
Ore.		1		3									
Pa.													
R.I.													
S.C.													
S.D.													
Tenn.		4		1			1		1	1	1		
Tex.		13	90						12 (t)	1	1		
Utah													
Vt.													
Va.	1				1								
Wash.	2	5			1			1	1	2			
W. Va.		2						4	18	1			
Wisc.	2	9		23			1			6	1		1
Wyo.													
P.R.													
V.I.													
Totals	29	161	92	101	45	3	13	18	54	55	29	3	5

TABLE 8-30. VIROLOGY: TOTAL POSITIVE FINDINGS
(Continued)

	Rhinovirus	Rubella	Turlock	Vaccinia	WEE	Unidentified	Other
Ala.				1		2	
Alaska							
Ariz.							
Ark.							
Cal.							
Colo.		7					
Conn.							
Del.							
D.C.							
Fla.					1		
Ga.					1	4	
Hawaii				1		10	
Ida.							1(u)
Ill.	6			2		1	
Ind.							
Ia.			1	1		28	16(v)
Kans.							
Ky.							
La.							
Me.							
Md.		9					2 (w)
Mass.							
Mich.				1			
Minn.				1			
Miss.							
Mo.							
Mont.		1			1		5 (x)
Nebr.							
Nev.							
N.H.							
N.J.		1			20		
N.M.							
N.Y.		3		4			
N.C.				4			1 (y)
N.D.							
Ohio						4	
Okla.							
Ore.							
Pa.							
R.I.							
S.C.							
S.D.							
Tenn.							
Tex.			1		2	17	
Utah							
Vt.							
Va.							
Wash.							
W. Va.						4	
Wisc.	1	3				3	
Wyo.							
P.R.							
V.I.							
Totals	7	24	2	15	25	73	25

TABLE 8-31. VIROLOGY: RABIES

State	Specimens	Exams	Positive Specimens	Direct Smears (Sellers)		FRA		Animal Inoculations	
				Exams	Positives	Exams	Positives	Exams	Positives
Ala.	2,926	11,624	36	1,257	4	1,832	56	8,535	50
Alaska	79	141	2	1	-	70	2	70	2
Ariz.	2,137	3,448	67	709	*	1,761	*	978	*
Ark.	*	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*	*
Colo.	372	573	*	-	-	365	12	208	8
Conn.	462	1,195	1	462	-	394	1	339	-
Del.	104	312	-	104	-	104	-	104	-
D. C.	*	*	*	*	*	*	*	*	*
Fla.	3,791	7,624	85	3,792	74	3,818	85	14	1
Ga.	2,160	4,183	132	2,041	125	2,123	132	19	3
Hawaii	-	-	-	-	-	-	-	-	-
Ida.	*	317	*	-	-	231	9 (z)	86	(z)
Ill.	3,446	3,648	*	-	-	3,414	46	234	46
Ind.	3,688	7,488	89	3,635	32	3,635	87	218	9
Ia.	928	6,844	27	-	-	3,712	27	3,132	-
Kans.	(aa)	-	-	-	-	-	-	-	-
Ky.	1,259	3,159	176	1,142	136	1,151	176	866	8
La.	*	5,605	*	1,972	51	2,398 (bb)	50	1,235	18
Me.	244	244	26	-	-	244	26	-	-
Md.	571	1,482	1	555	1	541	1	386	-
Mass.	*	*	*	*	*	*	*	*	*
Mich.	1,832	2,808	*	-	-	1,832	27	976	28
Minn.	1,443	2,226	*	-	-	1,427	38	799	40
Miss.	885	1,504	16	619	-	885	16	-	-
Mo.	1,375	3,219	*	852	62	1,375	112	992	15
Mont.	(cc)	-	-	-	-	-	-	-	-
Nebr.	882	1,979	18	185	12	1,782	18	12	7
Nev.	-	-	-	-	-	-	-	-	-
N.H.	299	713	51	299	30	299	51	115	(dd)
N.J.	*	10,071	27	4,378	6	3,073	27	2,620	25
N.M.	*	1,647	*	662	23	599	30	386	13
N.Y.	2,183	5,032	83	2,183	*	2,183	*	666	*
N.C.	985	1,493	*	467	3	980	5	46	3
N.D.	*	1,028	48	504	38	504	48	20	18
Ohio	3,320	5,056	135	2,222 (ee)	102	2,737	103	97	1
Okla.	*	*	*	*	*	*	*	*	*
Ore.	361	724	6	361	*	361	*	2	2
Pa.	275	825	1	275	*	275	1	275	*
R.I.	99	293	*	99	-	99	1	95	1
S.C.	*	1,033	1	547	*	486	*	-	-
S.D.	*	*	*	*	*	*	*	*	*
Tenn.	3,342	6,508	422	3,342	398	3,133	111	33	2
Tex.	7,508	14,741	*	7,508	161	7,211	428	22	5
Utah	*	410	4	134	*	138	*	138	*
Vt.	194	284	19	-	-	194	19	90	-
Va.	1,598	3,925	7	1,598	161	1,390	57	937	15
Wash.	379	648	13	9	-	376	13	263	(dd)
W. Va.	481	1,598 (ff)	*	481	56	466	66	509	51
Wisc.	1,511	2,654	67	-	-	1,473	67	1,181	61
Wyo	-	-	-	-	-	-	-	-	-
P.R.	*	152	35	92	29	2	2	58	6
V.I.	-	-	-	-	-	-	-	-	-

FOOTNOTES. TABLES 8-28 - 8-31.

- (a) Evaluation and research.
- (b) Acid sensitivities.
- (c) Serum neutralization (isol. antigen).
- (d) Mouse inoculation.
- (e) Hemagglutination and Hemadsorption.
- (f) Hemagglutination.
- (g) Represents birds and other animals.
- (h) Included with Table 8-28.
- (i) Represents pools. (For New Jersey, pools of 50+.)
- (j) Blood for arbovirus serology.
- (k) Dogs.
- (l) Represents 36 specimens of sewage and 4 evaluation specimens.
- (m) Rabbits.
- (n) Sewage.
- (o) Represents the following: amphibians and reptiles, 2,272 specimens, 11,360 exams; non-avian, 4,537 specimens, 22,685 exams; referral from rabies, 2,092 specimens, 27,196 exams.
- (p) Mosquitoes and ticks included together. "Others" represents mammalian species: 313 specimens, 133 exams; amphibians and reptiles: 1,163 specimens, 706 exams.
- (q) Referred viruses.
- (r) Bats, 256 specimens, 3 exams; ticks, 79 specimens, 9 exams.
- (s) Polio I, II, and III.
- (t) Mixed Polio I and II.
- (u) Ornithosis.
- (v) *Aedes trivittatus*, 7; Cache Valley, 1; Flanders, 8.
- (w) SV-5.
- (x) *Mycoplasma*, 3; typhus, 1; Rocky Mountain Spotted Fever, 1.
- (y) Rubella.
- (z) This figure represents total positives from FRA and mice inoculations.
- (aa) 4,290 tests (109 positive specimens) performed by Veterinary Diagnostic Lab., Kansas State University, as official Board of Health diagnostic laboratory for rabies.
- (bb) FA
- (cc) Performed at Veterinary Diagnostic Laboratory at Montana State University in Bozeman.
- (dd) Mouse inoculation not done on FRA positive specimens. Done only on bite cases where FRA is negative.
- (ee) Represents Williams, rather than Sellers.
- (ff) Includes 142 CVS inoculations with 118 positives.

TABLE 8-32. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS

Specimens	Examinations	VDRL Qualitative		VDRL Quantitative		
		Examinations	Positives	Examinations	Positives	
Ala.	210,014	371,603	346,053	12,747	23,976	15,723
Alaska	22,139	22,747	22,133	609	608	318
Ariz.	56,573	63,178	56,049	4,536	4,566	*
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	125,865	130,008	124,345	2,010	2,010	2,010
Conn.	105,518 (a)	116,030 (a)	105,493	4,674	5,198	*
Del.	37,864	40,919	37,864	2,259	2,259	2,259
D.C.	*	*	*	*	*	*
Fla.	769,608	813,446	769,608	27,410	41,256	*
Ga.	484,867	495,661	481,842	20,691	11,507	11,507
Hawaii	28,251	34,529	27,932	1,404	2,997	1,154
Ida.	*	40,834	-	-	1,912	885
Ill.	387,457	406,802	252,532	7,400	17,043	14,468
Ind.	130,734	142,409	-	-	-	-
Ia.	212,260	226,201	212,260	4,721	7,903	4,721
Kans.	111,878	118,142	111,878	4,475	4,421	3,118
Ky.	135,793	138,166	131,861	4,439	4,947	4,310
La.	*	342,411	185,043	11,194	7,844	7,844
Me.	47,466	53,040	47,466	1,334	1,441	*
Md.	138,897	158,836	1,304	73	14,824	13,312
Mass.	*	*	*	*	*	*
Mich.	*	378,038	351,419	10,541	10,244	10,244
Minn.	183,397	200,717	181,358	4,730	4,028	4,028
Miss.	212,402	219,689	159,369	6,167	6,167	6,167
Mo.	58,563	80,400	58,563	4,869	9,367	3,265
Mont.	30,833	34,105	30,833	1,022	1,509	1,016
Nebr.	102,062	106,866	8,678	1,064	2,785	2,748
Nev.	27,530	32,321	27,377	1,286	4,367	*
N.H.	44,155	46,030	44,155	635	1,369	544
N.J.	*	251,764	230,624	9,751	13,024	*
N.M.	*	50,139	43,376	3,379	2,658	*
N.Y.	122,589	140,425	122,589	7,681 (b)	7,366	(b)
N.C.	344,021	369,583	344,001	17,569	20,394	17,569
N.D.	*	*	*	*	*	*
Ohio	117,454	168,344	114,882	11,693	11,020	*
Okla.	*	*	*	*	*	*
Ore.	53,290	59,314	53,290	*	4,565	*
Pa.	*	46,247	27,210	2,189	4,349	2,420
R.I.	37,343	42,223	37,303	1,634	1,634	1,634
S.C.	*	355,082	335,286	17,140	18,621	*
S.D.	*	*	*	*	*	*
Tenn.	442,293	456,915	442,293	13,958	13,958	13,958
Tex.	312,799	342,992	316,605	17,911	19,927	11,419
Utah	90,510	96,791	90,148	2,306	2,306	*
Vt.	37,100	38,295	37,100	*	1,097	*
Va.	188,979	206,784	199,043	8,132	5,178	4,645
Wash.	36,769	39,446	35,902	*	3,254	*
W. Va.	-	-	-	-	-	-
Wisc.	222,607	232,246	222,348	6,138	6,419	*
Wyo.	10,544	10,886	10,544	300	342	342
P.R.	*	83,551	76,002	6,524	6,524	6,048
V.I.	8,354	9,320	8,354	*	739	188

TABLE 8-32. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	Kolmer Qualitative		Kolmer Quantitative		Rapid Reagin			
	Exams	Positives	Exams	Positives	USR		RPR Circle Card	
					Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	200	*
Ga.	-	-	64	19	109	68	504	282
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	37,320	*	-	-
Ill.	-	-	-	-	134,925 (c)	7,068	-	-
Ind.	8,326	3,698	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	230	111	34	22	-	-	-	-
Ky.	-	-	163	65	-	-	-	-
La.	148,329	9,798	-	-	-	-	-	-
Me.	2,854	754	-	-	-	-	-	-
Md.	-	-	-	-	-	-	138,897	13,784
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	11,527	2,615	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	53,033	4,202
Mo.	9,334	2,317	-	-	-	-	-	-
Mont.	1,321	610	-	-	-	-	-	-
Nebr.	-	-	-	-	94,411	2,570	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	100	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	*	*	*	*	*	*
Ohio	817	489	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	4,091	530	47	14	-	-	9,124	738
R.I.	1,603	*	1,169	1,169	-	-	-	-
S.C.	-	-	-	-	-	-	14	*
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	2,145	*	47	*	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	-	-	-	-	290	*	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-32. SEROLOGY: EXAMINATIONS OF BLOOD FOR SYPHILIS
(Continued)

	KRP(RPCF)		FTA-200		FTA-ABS		Other	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	708	482	866 (d)	66
Alaska	-	-	-	-	6	3	-	-
Ariz.	-	-	-	-	2,563	1,352	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	3,653	2,009	-	-
Conn.	-	-	1,521	717	3,818	2,564	-	-
Del.	47 (e)	47	-	-	749	720	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	2,382	*	-	-
Ga.	-	-	-	-	1,304	609	331 (f)	165
Hawaii	3,029	614	29	9	542	316	-	-
Ida.	-	-	1,602	536	-	-	-	-
Ill.	-	-	-	-	2,302	1,368	-	-
Ind.	633	268	-	-	107	66	133,343 (g)	8,925
Ia.	-	-	-	-	6,038	3,303	-	-
Kans.	-	-	-	-	1,569	1,040	10 (h)	6
Ky.	316	97	-	-	879	443	-	-
La.	678	324	-	-	517	259	-	-
Me.	-	-	-	-	1,279	707	-	-
Md.	-	-	737	433	3,074	2,178	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	15,555	7,543	-	-	820	389	-	-
Minn.	2,422	598	-	-	1,382	738	-	-
Miss.	-	-	-	-	1,120	717	-	-
Mo.	2,298	1,404	-	-	838	404	-	-
Mont.	-	-	173	56	269	148	-	-
Nebr.	-	-	385	197	607	421	-	-
Nev.	-	-	-	-	577	185	-	-
N.H.	-	-	-	-	506	278	-	-
N.J.	4,746	-	-	-	3,270	-	-	-
N.M.	-	-	1,669	853	2,436	1,228	-	-
N.Y.	7,366	(i)	-	-	3,104	(i)	-	-
N.C.	-	-	-	-	5,188	2,976	-	-
N.D.	*	*	*	*	*	*	*	*
Ohio	12,446	5,883	652	253	4,786	3,169	23,741 (j)	3,116
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	1,459	*	-	-
Pa.	1,426	273	-	-	-	-	-	-
R.I.	25	4	-	-	449	262	40 (k)	26
S.C.	-	-	-	-	1,161	170	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	664	439	-	-
Tex.	-	-	-	-	6,460	4,694	-	-
Utah	-	-	-	-	2,145	*	-	-
Vt.	-	-	-	-	98	*	-	-
Va.	-	-	-	-	2,563	1,515	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	3,479	1,954	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	427	181	95	52	503	287	-	-
V.I.	-	-	227	188	-	-	-	-

TABLE 8-33. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS

	Specimens	Examinations	VDRL Qualitative		VDRL Quantitative	
			Examinations	Positives	Examinations	Positives
Ala.	*	1,852	1,101	10	16	16
Alaska	156	101	89	1	-	-
Ariz.	*	103	88	-	4	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	*	733	687	29	29	29
Conn.	1,074	2,215	1,074	18	18	*
Del.	154	155	154	-	-	-
D.C.	*	*	*	*	*	*
Fla.	1,053	1,624	1,053	10	10	10
Ga.	435	524	380	9	9	9
Hawaii	283	306	3	-	5	-
Ida.	*	347	193	7	-	-
Ill.	893	1,162	893	14	14	14
Ind.	1,191	2,575	-	-	-	-
Ia.	1,845	1,862	1,845	17	17	17
Kans.	329	664	329	8	6	-
Ky.	524	1,206	521	10	-	-
La.	*	2,159	-	-	-	-
Me.	732	2,073	732	8	-	-
Md.	1,058	1,880	1,056	20	-	-
Mass.	*	*	*	*	*	*
Mich.	*	655	640	13	-	-
Minn.	*	11,865	3,250	14	-	-
Miss.	67	136	67	2	2	2
Mo.	246	588	105	6	6	6
Mont.	*	508	-	-	-	-
Nebr.	705	1,936	705	10	15	10
Nev.	143	147	-	-	42	2
N.H.	*	291	-	-	291	1
N.J.	*	2,673	1,525	9	9	9
N.M.	*	*	*	*	*	*
N.Y.	6,686	20,058	-	-	-	-
N.C.	1,355	1,822	1,355	23	23	23
N.D.	*	*	*	*	*	*
Ohio	569	1,817	569	29	21	*
Okla.	*	*	*	*	*	*
Ore.	*	454	227	*	-	-
Pa.	*	47	4	-	-	-
R.I.	544	1,088	544	3	-	-
S.C.	*	664	568	4	-	-
S.D.	*	*	*	*	*	*
Tenn.	920	1,226	920	17	17	17
Tex.	592	1,271	1,065	196	196	196
Utah	295	414	-	-	-	-
Vt.	710	725	710	*	10	*
Va.	859	891	859	30	29	29
Wash.	1,199	1,205	1,191	*	14	*
W. Va.	-	-	-	-	-	-
Wisc.	1,260	2,547	1,260	10	-	-
Wyo.	20	29	17	-	-	-
P.R.	*	11	10	1	1	1
V.I.	1	1	1	-	-	-

TABLE E-33. SEROLOGY: EXAMINATIONS OF SPINAL FLUIDS FOR SYPHILIS
(Continued)

	Kolmer Qualitative		Kolmer Quantitative		Total Protein Exams	Colloidal Tests	Other
	Exams	Positives	Exams	Positives			
Ala.	-	-	-	-	735	-	-
Alaska	-	-	-	-	-	12	-
Ariz.	-	-	-	-	6	5	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	17	-	-
Conn.	-	-	-	-	1,089	34	-
Del.	-	-	-	-	1	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	-	-	-	561	-	-
Ga.	-	-	-	-	135	-	-
Hawaii	-	-	-	-	1	25	272 (l)
Ida.	-	-	-	-	154	-	-
Ill.	-	-	-	-	255	-	-
Ind.	1,271	63	250	33	-	1,054	-
Ia.	-	-	-	-	-	-	-
Kans.	-	-	-	-	329	-	-
Ky.	459	123	68	44	158	-	-
La.	-	-	1,238	10	87	834	-
Me.	624	10	-	-	-	717	-
Md.	-	-	-	-	809	-	15 (m)
Mass.	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	15 (n)
Minn.	4,507	30	-	-	2,347	1,761	-
Miss.	-	-	-	-	67	-	-
Mo.	-	-	186	6	246	45	-
Mont.	383	5	-	-	-	125	-
Nebr.	-	-	-	-	617	599	-
Nev.	-	-	-	-	2	103	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	1,139	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	6,686	6,686	6,686 (o)
N.C.	-	-	-	-	442	-	2
N.D.	*	*	*	*	*	*	*
Ohio	76	13	-	-	496	-	655 (p)
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	227	-	-
Pa.	3	1	40	8	-	-	-
R.I.	544	3	-	-	-	-	-
S.C.	-	-	-	-	26	70	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	289	-	-
Tex.	-	-	10	*	-	-	-
Utah	295	*	67	*	52	-	-
Vt.	2	*	-	-	3	-	-
Va.	-	-	-	-	3	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	1,260	-	27 (q)
Wyo.	-	-	-	-	1	11	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-

FOOTNOTES. TABLES 8-32 - 8-33.

- (a) Specimens total includes 2,299 intrastate proficiency test specimens, 200 interstate proficiency test specimens, and 25 research and development specimens. Examinations total includes 3,004 examinations on these specimens.
- (b) Represents total positives for all tests combined.
- (c) USR is the screen test.
- (d) Check specimen: 286; VDRL Slides, 440; FTA-ABS, 140.
- (e) Figure for July 1966. FTA-ABS started August 1966.
- (f) Kline Quantitative.
- (g) Mazzini qualitative; 129,906 examinations, 5,554 positives; Mazzini quantitative: 3,437 examinations, 3,371 positives.
- (h) Kline.
- (i) Positives reported as one figure with VDRL qualitative examinations.
- (j) Kline standard, 22,915 examinations, 2,465 positives; Mazzini, 826 examinations, 651 positives.
- (k) TPI.
- (l) KRPCF examinations, 5 positives.
- (m) FTA.
- (n) RPCF, 5 positives.
- (o) Cardioliipin CF tests, 187 positives.
- (p) Kolmer RP, 544 examinations, 73 positives; Kline standard, 111 examinations, 6 positives.
- (q) FTA, 18 positives.

TABLE 8-34. SEROLOGY: BACTERIAL

Specimens	Exams	Typhoid				
		H Antigens		O Antigens		
		Exams	Positives	Exams	Positives	
Ala.	17	196	- (a)	-	- (a)	-
Alaska	115	634	54	3	54	3
Ariz.	113	401	68	6	68	10
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	393	678	62	9	62	15
Conn.	7,870	12,726 (b)	18	16	333	54
Del.	36	145 (c)	22	-	22	-
D.C.	*	*	*	*	*	*
Fla.	1,839	6,370	-	-	1,839	36
Ga.	5,621	10,593 (d)	1	-	1,532	3
Hawaii	487	874	67	12	67	9
Ida.	*	3,645	1,054 (e)	22 (e)	(e)	(e)
Ill.	10,571	21,301	1,303	75 (e)	1,303	(e)
Ind.	2,499	12,704	62	13	2,485	74
Ia.	17,391	23,617	1,134	77	1,134	77
Kans.	6,164	12,932	-	-	-	-
Ky.	1,508	6,305	958	551	958	290
La.	*	7,516	3,283 (e)	187 (e)	(e)	(e)
Me.	430	3,707	378	12	378	12
Md.	3,631	4,959 (f)	231	9	-	-
Mass.	*	*	*	*	*	*
Mich.	*	4,823	177	4	177	4
Minn.	*	19,960	1,125 (e)	462 (e)	(e)	(e)
Miss.	1,624	2,742	-	-	559	12
Mo.	604	3,332	604	-	604	-
Mont.	672	4,098	669	4	670	1
Nebr.	9,037	23,030	-	-	6,702	96
Nev.	1,008	1,683	92	2	92	2
N.H.	-	-	-	-	-	-
N.J.	*	2,565	-	-	-	-
N.M.	*	3,260	859	*	859	*
N.Y.	*	5,398 (g)	276	42	276	*
N.C.	*	4,590	72	2	73	1
N.D.	483	2,634	483	*	483	*
Ohio	2,480	3,520 (h)	118	19	562	29
Okla.	*	*	*	*	*	*
Ore.	1,988	12,706	1,988	*	1,988	*
Pa.	160	338	39	*	52	*
R.I.	135	252	28	* (1)	28	*
S.C.	*	6,043	644	304	-	-
S.D.	*	*	*	*	*	*
Tenn.	1,480	7,329	-	-	1,480	184
Tex.	2,632	3,572	-	-	727	29
Utah	6,976	9,735	24	*	24	*
Vt.	3,347	10,457	1,420	*	1,420	*
Va.	7,119	19,630	-	-	2,453	181
Wash.	3,743	8,069	1,422	*	1,422	*
W. Va.	129	386	52	2	52	2
Wisc.	29,563	20,201	362	9	363	3
Wyo.	261	1,087	146	1	146	1
P.R.	*	2,106	37	11	37	16
V.I.	519	519	14	-	14	-

TABLE 8-34. SEROLOGY: BACTERIAL
(Continued)

	Paratyphoid A		Paratyphoid B		Brucella		P. tularensis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	67	2	70	2
Alaska	62	-	62	-	62	1	62	-
Ariz.	68	5	68	4	55	2	17	3
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	62	4	62	19	85	5	33	4
Conn.	23	16	35	20	115	9	11	1
Del.	22	-	22	-	22	-	3	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	1,839	4	184	2
Ga.	-	-	-	-	1,592	21	1,529	6
Hawaii	67	-	67	3	50	4	2	-
Ida.	-	-	532	6	1,035	7	85	3
Ill.	-	-	-	-	4,308	78	2,398	102
Ind.	62	4	62	4	2,484	5	2,484	48
Ia.	298	11	296	10	13,756	1,738	112	12
Kans.	-	-	-	-	4,438	55	4,427	106
Ky.	955	32	958	289	1,040	69	30	-
La.	54 (j)	3 (j)	(j)	(j)	1,659	13	151	40
Me.	378	-	378	-	407	6	3	-
Md.	-	-	-	-	378	43	297	128
Mass.	*	*	*	*	*	*	*	*
Mich.	177	2	177	5	692	8	50	-
Minn.	43	3	1,125	386	5,014	360	353	10
Miss.	-	-	-	-	559	4	559	12
Mo.	-	-	-	-	604	26	604	11
Mont.	-	-	670	-	674	2	671	4
Nebr.	-	-	6,702	118	5,238	151	8	-
Nev.	58	1	63	1	66	-	57	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	92	1	12	-
N.M.	66	*	65	*	853	-	21	-
N.Y.	-	-	-	-	383	59	185	*
N.C.	-	-	-	-	617	18	606	6
N.D.	-	-	-	-	483	*	15	*
Ohio	53	-	58	3	554	9	83	2
Okla.	*	*	*	*	*	*	*	*
Ore.	1,988	*	1,988	*	1,988	*	30	*
Pa.	22	*	25	*	39	*	10	*
R.I.	27	*	27	*	31	*	-	-
S.C.	-	-	534	65	557	11	114	7
S.D.	*	*	*	*	*	*	*	*
Tenn.	138	-	138	4	1,480	23	1,480	20
Tex.	-	-	-	-	748	44	767	21
Utah	-	-	7	*	2,218	*	2,219	*
Vt.	-	-	-	-	1,420	*	10	*
Va.	-	-	2,541	285	3,448	117	2,229	201
Wash.	-	-	-	-	1,421	*	78	*
W. Va.	52	2	52	2	84	-	45	-
Wisc.	-	-	364	5	3,170	38	1,799	4
Wyo.	-	-	134	2	196	1	224	13
P.R.	37	1	37	1	37	2	-	-
V.I.	14	-	14	-	14	-	14	-

TABLE 8-34. SEROLOGY: BACTERIAL
(Continued)

	Weil Felix					
	OX-19		OX-2		OX-K	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	61	-	61	-	61	-
Ariz.	48	9	2	-	2	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	20 (k)	1 (k)	(k)	(k)	(k)	(k)
Conn.	-	-	-	-	-	-
Del.	9	-	5	-	4	-
D.C.	*	*	*	*	*	*
Fla.	184	5	-	-	-	-
Ga.	1,622	17	-	-	-	-
Hawaii	34	4	-	-	-	-
Ida.	22	5	22	2	22	-
Ill.	841	49 (1)	841	(1)	841	(1)
Ind.	1,315	91	28	1	31	1
Ia.	126	7	126	7	126	7
Kans.	-	-	-	-	-	-
Ky.	1,027	181	69	14	69	30
La.	1,636	17	-	-	-	-
Me.	3	-	3	-	3	-
Md.	152	85	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	311	72	311	91	-	-
Miss.	19	1	-	-	-	-
Mo.	338	7	6	-	6	1
Mont.	-	-	-	-	-	-
Nebr.	127	7	-	-	127	7
Nev.	60	-	60	-	62	-
N.H.	-	-	-	-	-	-
N.J.	90	19	90	3	63	-
N.M.	47	-	47	-	*	*
N.Y.	217	27	2	-	-	-
N.C.	*	*	*	*	*	*
N.D.	20	*	20	*	20	*
Ohio	191	55	156	42	156	2
Okla.	*	*	*	*	*	*
Ore.	45	*	45	*	45	*
Pa.	55	*	23	*	23	*
R.I.	3	*	3	*	3	*
S.C.	260	99	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	1,480	29	-	-	-	-
Tex.	746	35	-	-	-	-
Utah	1,414	*	-	-	-	-
Vt.	1,420	*	1,420	*	1,420	*
Va.	2,247	759	730	58	-	-
Wash.	34	*	19	*	20	*
W. Va.	49	7	-	-	-	-
Wisc.	38	-	38	-	38	-
Wyo.	20	-	-	-	-	-
P.R.	37	2	-	-	-	-
V.I.	14	-	-	-	-	-

TABLE 8-34. SEROLOGY: BACTERIAL
(Continued)

	Infectious Mononucleosis							
	Sheep Cell Agglutination		Guinea Pig Kidney Absorption		Beef Cell Absorption		Ox Cell Hemolysis	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	-	-
Alaska	21	9	21	9	21	9	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	98	28	98	18	-	-	-	-
Conn.	1,548	589	609	448	-	-	6,528	1,765
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	1,839	167	-	-	-	-	-	-
Ga.	3,596	455	439	-	-	-	-	-
Hawaii	263	76	61	10	61	10	-	-
Ida.	738	-	97 (m)	50 (m)	(m)	(m)	-	-
Ill.	9,322	1,326	*	4,028	-	-	-	-
Ind.	1,722	126	1,722	126	-	-	-	-
Ia.	3,207	593	700	593	700	593	-	-
Kans.	-	-	-	-	-	-	3,668	727
Ky.	145	46	36	17	-	-	-	-
La.	635	330	*	*	-	-	-	-
Me.	1,265 (n)	505	505	400	-	-	-	-
Md.	1,465	587	305	225	316 (n)	79	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	3,226	79	37	-	37	-	-	-
Minn.	10,576	5,950	-	-	-	-	-	-
Miss.	385	26	-	-	-	-	-	-
Mo.	192	101	44	40	44	40	286	39
Mont.	672	30	30	30	30	30	-	-
Nebr.	3,109	1,006	1,006	573	-	-	-	-
Nev.	78	2	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	579	297	297	246	292	-	-	-
N.M.	-	-	-	-	-	-	142	*
N.Y.	1,795	468	468	*	-	-	-	-
N.C.	1,133	248	*	*	-	-	-	-
N.D.	483	*	200	*	-	-	-	-
Ohio	50	-	-	-	-	-	469	181
Okla.	*	*	*	*	*	*	*	*
Ore.	2,059	*	500	426	-	-	-	-
Pa.	-	-	25	12	25	-	-	-
R.I.	101	25	-	-	-	-	-	-
S.C.	3,221 (o)	634	-	-	-	-	697	50
S.D.	*	*	*	*	*	*	*	*
Tenn.	561	79	145	79	-	-	-	-
Tex.	69	9	9	9	9	9	-	-
Utah	3,191	*	255	*	255	*	-	-
Vt.	457 (p)	*	-	-	-	-	1,470	*
Va.	3,875	1,698	9	5	6	-	1,699	1,195
Wash.	1,011	*	52	*	52	*	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	6,233	1,825	-	-	-	-	-	-
Wyo.	221 (q)	9	-	-	-	-	-	-
P.R.	-	-	19	-	19	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-34. SEROLOGY: BACTERIAL
(Continued)

	Eaton Agent (Cold Agglutination)		Antistreptolysin O		C-Reactive Protein		Leptospiral	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	59	5
Alaska	-	-	32	3	-	-	-	-
Ariz.	-	-	5	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	1	-	95	-	-	-	-	-
Conn.	1,753	178	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	485	14
Ga.	67	14	-	-	-	-	149	-
Hawaii	7	-	-	-	-	-	128	30
Ida.	-	-	-	-	-	-	38	4
Ill.	51	-	-	-	-	-	93	3
Ind.	-	-	-	-	-	-	247	3
Ia.	-	-	142	48	137	33	1,623	16
Kans.	-	-	347	*	-	-	52	9
Ky.	-	-	-	-	-	-	60	-
La.	-	-	-	-	-	-	98	13
Me.	-	-	-	-	-	-	6	2
Md.	87	-	1,407	-	28	3	194	-
Mass.	*	*	*	*	*	*	*	*
Mich.	4	-	4	1	-	-	65	1
Minn.	-	-	551	-	551	-	-	-
Miss.	-	-	627	*	-	-	34	-
Mo.	-	-	-	-	-	-	-	-
Mont.	12	1	-	-	-	-	-	-
Nebr.	-	-	11	8	-	-	-	-
Nev.	-	-	805	-	190	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	88	2	333	-	-	-	629	12
N.M.	-	-	301	*	-	-	*	*
N.Y.	-	-	418	*	438	*	252	2
N.C.	20	-	1,308	819	650	136	111	1
N.D.	176	33	250	*	1	*	-	-
Ohio	375	59	-	-	-	-	591	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	42	*
Pa.	-	-	-	-	-	-	-	-
R.I.	-	-	1	*	-	-	-	-
S.C.	-	-	-	-	-	-	16	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	324	9	-	-	-	-	103	6
Tex.	-	-	137	123	-	-	360	47
Utah	88	*	-	-	-	-	40	*
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	202	146	-	-	191	-
Wash.	212	82	2,265	*	-	-	61	*
W. Va.	-	-	-	-	-	-	-	-
Wisc.	741	68	4,542	286	2,391	381	122	16
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	1,195	365	633	287	18	2
V.I.	-	-	210	-	211	-	-	-

FOOTNOTES. TABLE 8-34.

- (a) Discontinued.
- (b) Includes 1,753 primary atypical pneumonia by CF examinations with 177 positives.
- (c) Includes 14 Mono tests, which started August 1966.
- (d) Includes 66 Streptococcus MG examinations with 3 positives not shown in further breakdown.
- (e) Includes both H and O antigens.
- (f) Includes 99 Latex R.A. examinations with 8 positives.
- (g) Includes 688 Rheumatoid arthritis examinations with 133 positives.
- (h) Includes 23 Typhoid Vi Hemagge examinations with 4 positives, and 81 Streptococcus MG examinations with 39 positives.
- (i) The determination of positive cases is in the opinion of the physician.
- (j) Includes Paratyphoid A and B.
- (k) Represents total Weil-Felix.
- (l) Total Weil-Felix positives.
- (m) Includes both guinea pig kidney absorption and beef cell absorption.
- (n) Monotest (horse cells).
- (o) Mono-w.
- (p) Discontinued in 1966.
- (q) Mono-Test.

TABLE 8-35. SEROLOGY: FUNGAL

	Total Specimens	Total Examinations	Total Positives
Ala.	1,130	4,520	214
Alaska	-	-	-
Ariz.	5,690	11,261	1,310
Ark.	*	*	*
Cal.	*	*	*
Colo.	-	-	-
Conn.	-	-	-
Del.	-	-	-
D.C.	*	*	*
Fla.	-	-	-
Ga.	532	2,128	23
Hawaii	-	-	-
Ida.	-	-	-
Ill.	3,187	9,220	1,118
Ind.	1,191	3,661	603
Ia.	959	4,454	518
Kans.	444	1,776	71
Ky.	1,104	5,264	447
La.	*	3,440	287
Me.	-	-	-
Md.	872	3,208	-
Mass.	*	*	*
Mich.	1,427	5,708	532
Minn.	*	3,956 (a)	282
Miss.	1,546	4,715	561
Mo.	1,074	3,772	398
Mont.	12	- (b)	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	-	-	-
N.Y.	1,704	4,938 (c)	425
N.C.	*	1,137	108
N.D.	-	-	-
Ohio	3,016	7,698	2,113
Okla.	*	*	*
Ore.	-	-	-
Pa.	-	-	-
R.I.	-	-	-
S.C.	*	22	7
S.D.	*	*	*
Tenn.	5,270	10,167	361
Tex.	2,251	8,681	511
Utah	-	-	-
Vt.	-	-	-
Va.	757	3,025	137
Wash.	283	283 (d)	*
W. Va.	-	-	-
Wisc.	727	2,278	112
Wyo.	-	-	-
P.R.	-	-	-
V.I.	-	-	-

TABLE 8-35. SEROLOGY: FUNGAL
(Continued)

	Blastomycosis				Coccidioidomycosis			
	CF Yeast		CF Blastomycin		CF		Agargel Precipitation	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	1,130	29	-	-	1,130	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	5,637 (e)	1,084	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	-	-	-	-	-	-
Ga.	532	-	-	-	532	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	1,436	204	-	-	1,410	14	-	-
Ind.	1,191	93	-	-	88	4	-	-
Ia.	1,115	116	-	-	1,113	12	-	-
Kans.	444	42	-	-	444	2	-	-
Ky.	1,268	76	-	-	1,134	4	-	-
La.	489	59	489	59	-	-	500	7
Me.	-	-	-	-	-	-	-	-
Md.	746	-	-	-	746	-	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	1,427	28	-	-	1,427	14	-	-
Minn.	687	5	-	-	708	5	-	-
Miss.	1,546	163	-	-	77	4	-	-
Mo.	943	117	-	-	943	6	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	1,078	*	-	-	-	-	170	*
N.C.	283	30	180	24	96	1	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	833	156	-	-	833	45	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	2,170	191	-	-	2,173	52	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	756	52	-	-	756	2	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	412	43	-	-	412	6	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-35. SEROLOGY: FUNGAL
(Continued)

	HISTOPLASMOSIS			
	CF Yeast		CF Histoplasmin	
	Exams	Positives	Exams	Positives
Ala.	1,130	118	1,130	67
Alaska	-	-	-	-
Ariz.	99	25	99	24
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	-	-	-
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	-	-	-	-
Ga.	532	14	532	9
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	3,187	740	3,187	160
Ind.	1,191	428	1,191	78
Ia.	1,113	286	1,113	104
Kans.	444	23	444	4
Ky.	1,579	288	1,283	79
La.	981	81	981	81
Me.	-	-	-	-
Md.	858	-	858	-
Mass.	*	*	*	*
Mich.	1,427	413	1,427	77
Minn.	1,049	214	1,049	58
Miss.	1,546	394 (f)	1,546	(f)
Mo.	943	203	943	72
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	-	-	-
N.M.	-	-	-	-
N.Y.	1,078	294 (g)	-	-
N.C.	293	40	285	13
N.D.	-	-	-	-
Ohio.	3,016	1,494	3,016	418
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	- (h)	-	-	-
S.D.	*	*	*	*
Tenn.	4,897	151	5,270	210
Tex.	2,168	166	2,170	102
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	756	57	757	26
Wash.	-	-	-	-
W. Va.	-	-	-	-
Wisc.	727	27	727	25
Wyo.	-	-	-	-
P.R.	-	-	-	-
V.I.	-	-	-	-

TABLE 8-36. SEROLOGY: PARASITOLOGICAL

	Trichinosis							
	Specimens	Exams	Bentonite Flocculation		Latex		Cholesterol Flocculation	
			Exams	Positives	Exams	Positives	Exams	Positives
Ala.	22	40	-	-	-	-	-	-
Alaska	5	5	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	52	52 (i)	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	391	656	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	1,035	1,035	-	-	-	-	-	-
Ind.	27	27	-	-	-	-	27	3
Ia.	223	229 (j)	-	-	-	-	34	8
Kans.	-	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	*	20	-	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-
Md.	384	664	93	-	-	-	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	*	1,009	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	-	88	-	-	-	-	88	2
N.M.	-	-	-	-	-	-	-	-
N.Y.	*	1,199	-	-	217 (k)	29	-	-
N.C.	*	480	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	383	418 (l)	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	*	24	24	1	-	-	-	-
Pa.	22	22	22	4	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	1,562	1,779	-	-	59	9	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	149	149	149	-	-	-	-	-
Wash.	19	19 (m)	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	483	523	-	-	46	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-36. SEROLOGY: PARASITOLOGICAL
(Continued)

	Toxoplasmosis					
	Dye Test		FA Inhibitions		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	40 (n)	10
Alaska	-	-	5	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	391	181	-	-	265 (o)	66
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	1,035	383	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	181	31	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	-	20	10	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	571 (p)	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	669	177	-	-	340 (q)	38
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	691	119	291 (r)	89
N.C.	-	-	-	-	480 (s)	119
N.D.	-	-	-	-	-	-
Ohio	-	-	35	-	311 (r)	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	1,503	741	217	99	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	437	98	-	-	40 (t)	12
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

FOOTNOTES. TABLES 8-35 - 36.

- (a) Includes 463 quantitative exams not shown in further breakdown.
- (b) Referred to NCDC.
- (c) New York reported the following exams which are not shown by type in the Table: 1,078 agargel precipitation exams for Blastomycosis; 1,078 agargel precipitation exams for Histoplasmosis; and 456 Cryptococcus exams with 131 positives.
- (d) This represents exams for the following, with types of test not specified: Blastomycosis, 73; Coccidioidomycosis, 90; Histoplasmosis, 120.
- (e) In addition, 5,426 microtiter precipitations were performed.
- (f) Represents total positives.
- (g) Reactive with Histoplasma and/or Blastomyces antigen. Anything other than zero is regarded as "reactive", without regard to actual proof of infection.
- (h) South Carolina reported 22 agglutination exams for Histoplasmosis with 7 positives.
- (i) Suessenguth-Kline antigen, 17 positives for Trichinosis.
- (j) Includes two Bentonite flocculation examinations (with no positives) for Echinococcosis which are not shown in the table and 6 cholesterol-lecithin flocculation examinations with two positives and 6 FA examinations with 2 positives for Schistosomiasis. No other State reported examinations for Echinococcosis or Schistosomiasis.
- (k) Latex and complement fixation.
- (l) Includes 72 SK examinations (Trichinosis) with 15 positives.
- (m) Represents Suessenguth-Kline for Trichinosis.
- (n) FA Indirect.
- (o) HA Inhibitions.
- (p) CF, 275; IHA, 296.
- (q) CF (PE) and CF (CAM).
- (r) IHA.
- (s) CF, 234 examinations, 69 positives; IHI, 246 examinations, 50 positives.
- (t) CF.

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL

	Specimens	Exams	Complement Fixation			
			Influenza A		Influenza B	
			Exams	Positives	Exams	Positives
Ala.	*	14,114	735	19	390	-
Alaska	-	-	-	-	-	-
Ariz.	721	2,151 (a)	46	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	*	2,053	-	-	-	-
Conn.	4,131	18,370	1,755	1,455	1,753	1,398
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	1,446	*	*	17	*	-
Ga.	3,162	10,893	740	99	740	45
Hawaii	1,442	1,442 (b)	91	-	91	5
Ida.	*	3,712	531	1	531	2
Ill.	3,737	28,002	1,668	13	1,597	6
Ind.	511	3,901	129	9	129	-
Ia.	854	7,163	215	152	213	92
Kans.	518	3,794	48	34	48	12
Ky.	497	25,444 (c)	156	6	156	-
La.	*	705	67 (d)	19 (d)	(d)	(d)
Me.	34	34	-	-	-	-
Md.	9,402	24,846 (e)	50	*	50	*
Mass.	*	*	*	*	*	*
Mich.	3,713 (f)	7,246	518	2	704	6
Minn.	*	9,537	612	171	623	54
Miss.	26	42	2	1	2	1
Mo.	*	1,971 (g)	59	-	58	-
Mont.	425	2,161	250	7	250	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	*	69,511 (h)	906	15	906	2
N.M.	*	*	*	*	*	*
N.Y.	*	5,166	292	28	292	1
N.C.	*	3,173	124	15	125	12
N.D.	*	1,288	-	-	-	-
Ohio	4,667	17,266 (i)	1,103	366	1,103	504
Okla.	*	*	*	*	*	*
Ore.	*	9,868	631	15	631	20
Pa.	*	22,428	1,836	2	1,762	-
R.I.	-	-	-	-	-	-
S.C.	*	1,255	97	4	97	7
S.D.	*	*	*	*	*	*
Tenn.	1,225	5,220	473	12	473	6
Tex.	3,781	9,749 (j)	124	14	124	-
Utah	194	8,379	9	*	6	*
Vt.	212	590	-	-	-	-
Va.	916	2,414	154	57	154	39
Wash.	*	6,586	-	-	-	-
W. Va.	*	374	-	-	-	-
Wisc.	1,434	21,910	1,163	21	1,128	9
Wyo.	-	-	-	-	-	-
P.R.	*	418	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation							
	Respiratory Syncytial		Adenoviruses		Mycoplasma Pneumoniae		Psittacosis - LGV	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	719	9	390	1	390	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	59	9
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	1,753	928	1,753	1,291	-	-	1,794	48
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	-	*	19	*	16	*	2
Ga.	175	11	181	7	140	7	402	52
Hawaii	-	-	175	5	-	-	9	1
Ida.	162	5	531	63	531	13	69	1
Ill.	1,619	5	1,932	13	1,595	6	1,627	5
Ind.	129	-	129	2	129	1	31	1
Ia.	-	-	220	81	238	90	237	15
Kans.	-	-	4	2	39	1	41	14
Ky.	2	-	177	3	-	-	112	-
La.	-	-	8	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-
Md.	27	*	76	*	88	*	167	*
Mass.	*	*	*	*	*	*	*	*
Mich.	360	7	728	9	502	4	76	-
Minn.	-	-	597	247	-	-	1,100	288
Miss.	-	-	-	-	-	-	2	-
Mo.	-	-	72	4	12	-	51	12
Mont.	-	-	250	8	58	3	59	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	66	-	126	2	150	2	119	22
N.M.	*	*	*	*	-	-	*	*
N.Y.	21	-	334	3	-	-	358	2
N.C.	-	-	66	22	-	-	128	26
N.D.	-	-	-	-	-	-	-	-
Ohio	301	15	490	179	352	138	403	14
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	631	6	631	35	631	6
Pa.	817	2	2,993	8	1,275	7	1,498	5
R.I.	-	-	-	-	-	-	-	-
S.C.	89	7	-	-	-	-	10	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	447	7	448	12	-	-	318	5
Tex.	12	1	206	2	155	5	367	112
Utah	-	-	18	*	-	-	34	*
Vt.	-	-	-	-	-	-	-	-
Va.	91	32	137	63	130	21	117	28
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	1,107	18	1,151	9	1,146	146	139	3
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation					
	Parainfluenza I		Parainfluenza II		Parainfluenza III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	-	-	-	-	-
Ga.	-	-	-	-	176	15
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	1,592	-	1,599	-	1,619	3
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	61	-	61	2	61	2
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	162	1	162	1	162	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	1,288 (k)	180 (k)	(k)	(k)	(k)	(k)
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	20 (k)	1 (k)	(k)	(k)	(k)	(k)
Utah	-	-	-	-	-	-
Vt.	58	-	58	-	58	1
Va.	109	4	109	19	109	31
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation					
	Polio I		Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	79	-	79	-	79	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	38	1	38	-	38	-
Conn.	8	6	8	6	8	6
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	*	3	*	1	*	-
Ga.	120	1	120	1	120	3
Hawaii	34	-	34	-	34	-
Ida.	65	-	65	-	65	2
Ill.	923	-	927	5	922	1
Ind.	263	-	263	-	263	1
Ia.	-	-	-	-	-	-
Kans.	56	2	60	-	60	-
Ky.	37	-	37	-	37	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	111	*	111	*	111	*
Mass.	*	*	*	*	*	*
Mich.	163	1	159	-	163	1
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	70	-	70	-	70	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	24	-	24	-	30	-
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	-	-	-
N.C.	101	-	101	-	104	-
N.D.	6	-	6	-	6	-
Ohio	96	21	96	3	96	14
Okla.	*	*	*	*	*	*
Ore.	450	-	450	-	450	-
Pa.	454	-	564	-	529	-
R.I.	-	-	-	-	-	-
S.C.	65 (1)	*	65	*	65	*
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	162	4	162	-	162	1
Utah	-	-	-	-	-	-
Vt.	52	-	52	2	52	-
Va.	64	-	64	2	64	-
Wash.	8	-	6	-	6	-
W. Va.	-	-	-	-	-	-
Wisc.	291	2	291	2	291	-
Wyo.	-	-	-	-	-	-
P.R.	93	*	93	*	93	*
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	COMPLEMENT FIXATION							
	ECHO		LCM		WEE		EEE	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	349	-	349	-	349	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	207	5	190	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	20	-	138	9	-	-
Conn.	-	-	373	-	370	-	370	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	-	-	*	-	*	-	*	-
Ga.	28	-	140	-	143	3	143	12
Hawaii	-	-	36	-	25	-	-	-
Ida.	39	-	2	-	74	-	-	-
Ill.	-	-	920	-	920	-	920	-
Ind.	-	-	262	1	185	-	185	-
Ia.	-	-	244	-	270	21	270	13
Kans.	-	-	364	-	370	21	-	-
Ky.	171	-	96	-	13	-	13	-
La.	-	-	-	-	326 (m)	5 (m)	(m)	(m)
Me.	-	-	-	-	-	-	-	-
Md.	110	*	133	*	52	*	52	*
Mass.	*	*	*	*	*	*	*	*
Mich.	699	-	45	-	36	-	34	-
Minn.	-	-	9	-	524	50	-	-
Miss.	-	-	2	-	3	-	3	-
Mo.	6	-	17	-	154	2	150	-
Mont.	-	-	-	-	115	1	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	570	-	-	-	785	-	12,887	406
N.M.	*	*	*	*	*	*	*	*
N.Y.	-	-	30	-	215	-	215	-
N.C.	28	-	57	2	297	8	297	27
N.D.	-	-	232	1	232	1	232	-
Ohio	7	-	839	2	131	-	131	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	50	-	450	5	-	-
Pa.	-	-	792	2	732	-	719	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	42	1	-	-	42	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	9	-	251	-	251	-
Tex.	-	-	9	-	54	4	-	-
Utah	-	-	-	-	55	*	-	-
Vt.	-	-	50	-	-	-	50	-
Va.	-	-	80	-	35	-	41	-
Wash.	-	-	-	-	44	7	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	731	-	717	-	727	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation							
	St. Louis		Other Encephalitis		Mumps		Rubeola	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	349	-	349	-	653	22	32	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	204	5	-	-	101	6	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	138	6	-	-	92	20	-	-
Conn.	370	-	-	-	1,752	1,400	20	14
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	-	*	-	*	32	*	6
Ga.	143	1	152 (n)	-	503	91	19	3
Hawaii	25	-	-	-	328	74	64	2
Ida.	74	-	54	1	156	2	7	1
Ill.	921	-	-	-	3,353 (o)	72	52	4
Ind.	185	-	368	5	292	25	232	-
Ia.	251	-	44	-	334	127	-	-
Kans.	378	18	-	-	778 (p)	163	5	-
Ky.	98	-	17	-	364	15	4	-
La.	(q)	(q)	-	-	39	15	-	-
Me.	-	-	-	-	-	-	-	-
Md.	52	*	4	*	230 (o)	*	114	*
Mass.	*	*	*	*	*	*	*	*
Mich.	38	-	3	-	678	44	548	11
Minn.	267 (r)	9	45 (n)	20	639	291	-	-
Miss.	3	-	-	-	20	10	-	-
Mo.	151	5	132	-	75	-	6	-
Mont.	-	-	-	-	250	4	16	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	12,653	739	963	1	4,969 (o)	35	24	-
N.M.	*	*	*	*	*	*	*	*
N.Y.	215	-	797	-	293	17	271	11
N.C.	279	2	-	-	112	55	36	2
N.D.	232	-	-	-	240	8	-	-
Ohio	131	-	884 (s)	-	2,203 (o)	806	28	6
Okla.	*	*	*	*	*	*	*	*
Ore.	450	10	-	-	450	35	200	6
Pa.	755	1	-	-	2,346	11	698	3
R.I.	-	-	-	-	-	-	-	-
S.C.	40	-	-	-	81	6	1	1
S.D.	*	*	*	*	*	*	*	*
Tenn.	251	1	-	-	518	26	53	1
Tex.	57	1	7	1	595	54	26	-
Utah	2	*	-	-	18	*	-	-
Vt.	-	-	-	-	50 (t)	7	-	-
Va.	36	-	3	-	287	128	20	10
Wash.	46	1	-	-	367	216	117	8
W. Va.	-	-	-	-	-	-	-	-
Wisc.	713	-	-	-	892	31	27	4
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation							
	Rubella		Herpes Simplex		Vaccinia		RMSF	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	351	1	-	-	123	4
Alaska	-	-	-	-	-	-	-	-
Ariz.	49	-	40	-	-	-	10	3
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	93	40	60	6	-	-	168	2
Conn.	-	-	1,761	1,203	-	-	86	2
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	-	*	7	*	-	*	2
Ga.	488	324	297	80	-	-	188 (u)	18
Hawaii	64	6	9	1	9	-	3	-
Ida.	-	-	68	13	-	-	112	-
Ill.	-	-	3,069	21	1	-	56	10
Ind.	-	-	277	4	14	-	26	2
Ia.	-	-	91	44	-	-	8	-
Kans.	-	-	11	8	-	-	19	-
Ky.	-	-	147	3	-	-	72	4
La.	-	-	7	1	-	-	36	6
Me.	34	30	-	-	-	-	-	-
Md.	82	*	172	*	14	*	138	*
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	800	11	11	-	14	-
Minn.	-	-	543	151	-	-	-	-
Miss.	-	-	-	-	-	-	1	1
Mo.	-	-	22	2	-	-	77	10
Mont.	2	1	250	4	-	-	175	1
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	702	6	1,337	7	-	-	98	5
N.M.	*	*	*	*	-	-	*	*
N.Y.	7	2	297	13	12	-	54	5
N.C.	42	-	149	73	4	-	324	36
N.D.	-	-	-	-	-	-	6	-
Ohio	-	-	873	297	7	1	135	23
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	450	25	12	-	12	-
Pa.	-	-	1,478	3	255	-	370	2
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	55	1	-	-	46	3
S.D.	*	*	*	*	*	*	*	*
Tenn.	54	3	497	8	-	-	132	4
Tex.	18	4	65	-	2	-	205	18
Utah	-	-	-	-	-	-	40	*
Vt.	-	-	94	20	-	-	-	-
Va.	-	-	90	32	-	-	207	18
Wash.	-	-	240	43	-	-	28	1
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	127	7	1	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Complement Fixation							
	Rickettsial pox		Epidemic typhus		Murine typhus		Q Fever	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	132	-	-	-	132	1	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	15	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	40	-	-	-	-	-	37	3
Conn.	86	2	85	-	1	1	1,753	6
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	-	*	-	*	-	*	-
Ga.	-	-	-	-	180	-	2	-
Hawaii	19	-	-	-	284	1	4	-
Ida.	10	-	-	-	2	-	533	21
Ill.	-	-	56	1	-	-	28	-
Ind.	26	-	26	-	26	-	26	-
Ia.	10	-	11	-	11	-	208	3
Kans.	15	-	-	-	6	-	33	2
Ky.	65	-	-	-	54	-	25	-
La.	8	-	88	4	68	1	23	2
Me.	-	-	-	-	-	-	-	-
Md.	24	*	4	*	20	*	40	*
Mass.	*	*	*	*	*	*	*	*
Mich.	19	-	-	-	-	-	39	-
Minn.	-	-	-	-	-	-	28	4
Miss.	-	-	-	-	1	-	3	-
Mo.	44	1	44	-	-	-	7	1
Mont.	-	-	-	-	60	3	250	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	38	1	-	-	-	-	12	-
N.M.	*	*	*	*	*	*	*	*
N.Y.	38	-	52	-	-	-	79	-
N.C.	-	-	-	-	41	-	93	23
N.D.	6	-	6	-	6	-	6	-
Ohio	143	24	-	-	18	-	424	11
Okla.	*	*	*	*	*	*	*	*
Ore.	12	-	12	-	-	-	20	-
Pa.	343	-	97	-	143	-	531	-
R.I.	-	-	-	-	-	-	-	-
S.C.	46	-	-	-	46	-	30	1
S.D.	*	*	*	*	*	*	*	*
Tenn.	2	1	-	-	132	-	271	-
Tex.	192	13	386	17	-	-	257	15
Utah	3	*	-	-	-	-	32	*
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	2	-	-	-	92	-
Wash.	22	-	-	-	-	-	26	2
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	64	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibition							
	Influenza A		Influenza B		WEE		EEE	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	328	3	328	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	160	25	160	9	-	-	-	-
Conn.	98	69	50	50	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	17	*	-	*	-	*	-
Ga.	-	-	-	-	32	-	32	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	7	2	7	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	8	3	8	-	-	-	-	-
Ia.	-	-	-	-	246	31	246	18
Kans.	-	-	-	-	699	69	69	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	35 (m)	-	(q)	-
Me.	-	-	-	-	-	-	-	-
Md.	1,052	*	524	*	331	*	331	*
Mass.	*	*	*	*	*	*	*	*
Mich.	425	-	-	-	-	-	-	-
Minn.	5	2	1	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	122	16	122	2
Mont.	-	-	1	1	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	365	15	365	2	412	48	3,340	386
N.M.	*	*	*	*	*	*	*	*
N.Y.	-	-	-	-	155	-	155	-
N.C.	110	61	110	73	148	9	148	34
N.D.	36	-	36	-	-	-	-	-
Ohio	10	8	10	8	1,518	-	1,497	-
Okla.	*	*	*	*	*	*	*	*
Ore.	631	18	631	25	-	-	-	-
Pa.	4	-	-	-	2	-	2	-
R.I.	-	-	-	-	-	-	-	-
S.C.	2	1	2	1	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	-	-	-	-	1,802	172	1,802	-
Utah	56	*	28	*	-	-	-	-
Vt.	8	-	8	-	-	-	-	-
Va.	44	37	44	30	1	-	1	-
Wash.	18	-	18	7	-	-	-	-
W. Va.	6	-	6	-	-	-	-	-
Wisc.	60	19	27	4	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	54	*	54	*	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibition							
	St. Louis		Other Encephalitis		California Group		Colorado Tick Fever	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	331	2	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	152	43
Conn.	-	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	*	-	*	-	*	-	-	-
Ga.	32	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	-	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	246	38	246	9	246	31	-	-
Kans.	671	93	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	(q)	-	(q)	-	-	-	-	-
Me.	-	-	-	-	-	-	-	-
Md.	341	*	-	-	4	*	-	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	122	10	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	175	3
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-	-
N.J.	17,030	1,646	-	-	220	28	-	-
N.M.	*	*	*	*	*	*	*	*
N.Y.	155	5	155 (v)	-	155	2	-	-
N.C.	145	30	-	-	156	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	1,584	-	-	-	1,006	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-	-
Pa.	2	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	1,802	2	947	246	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	1	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	800	10	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibition					
	Parainfluenza I		Parainfluenza II		Parainfluenza III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	160	25	160	9	160	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	*	-	-	-	*	-
Ga.	2	-	2	-	2	2
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	84 (k)	*	(k)	(k)	(k)	(k)
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	1	1	-	-	1	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	1,906	1	1,906	-	1,906	-
N.M.	*	*	*	*	*	*
N.Y.	-	-	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	631	5	-	-	631	8
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	62	1	13	-	78	4
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	12	-	12	4	12	-
Wisc.	367	1	-	-	435	2
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Hemagglutination and/or Hemadsorption Inhibition					
	Adenovirus		Rubella		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	37	-	63 (w)	7
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	180	-	-	-	-	-
Conn.	-	-	6	4	23 (x)	21
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	-	-	-	-	-
Ga.	-	-	488 (y)	324	-	-
Hawaii	-	-	-	-	-	-
Ida.	-	-	-	-	2 (z)	1
Ill.	-	-	86	4	-	-
Ind.	-	-	41	2	-	-
Ia.	-	-	-	-	246 (aa)	26
Kans.	-	-	16	14	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	-	-	8,471	*	39 (bb)	*
Mass.	*	*	*	*	*	*
Mich.	-	-	38	-	-	-
Minn.	-	-	45	27	-	-
Miss.	-	-	-	-	-	-
Mo.	-	-	4	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	496	6	-	-
N.M.	*	*	-	-	-	-
N.Y.	-	-	179	111	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	631	6	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	93	5	45	30	5 (cc)	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	5	*	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	116	77	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	5	1	-	-
Wisc.	1,151	9	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Neutralization: TC-Tube					
	Polio I		Polio II		Polio III	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	4	-	4	-	4	4
Conn.	11	9	11	11	11	11
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	*	-	*	-	*	-
Ga.	2	-	-	-	4	-
Hawaii	-	-	-	-	-	-
Ida.	2	-	2	-	2	-
Ill.	-	-	-	-	-	-
Ind.	21	1	21	-	21	-
Ia.	-	-	-	-	2,812 (dd)	-
Kans.	-	-	-	-	-	-
Ky.	6	-	6	-	6	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	20	*	20	*	20	*
Mass.	*	*	*	*	*	*
Mich.	446 (ee)	-	(ee)	-	(ee)	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	5	-	5	-	5	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	347	-	347	1	348	3
N.M.	11	1	11	-	11	2
N.Y.	-	-	-	-	-	-
N.C.	-	-	1	1	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	143	3	141	-	141	-
R.I.	-	-	-	-	-	-
S.C.	38	2	-	-	*	1
S.D.	*	*	*	*	*	*
Tenn.	73	2	73	3	73	1
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	1,032	1	1,032	2	1,032	-
W. Va.	40	18	33	1	33	-
Wisc.	2	-	2	-	2	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	Neutralization: TC-Tube					
	ECHO		Coxsackie		Other	
	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	3	3	6	6	-	-
Conn.	4	2	2,295	1,003	2 (ff)	2
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	*	7	*	18	-	-
Ga.	124	17	1,095	100	8 (gg)	-
Hawaii	78	27	26	4	-	-
Ida.	3	1	6	2	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	165	1	21 (hh)	19
Ia.	(ii)	-	(ii)	-	(ii)	-
Kans.	-	-	4	2	-	-
Ky.	-	-	-	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	894	*	2,527	*	190 (jj)	*
Mass.	*	*	*	*	*	*
Mich.	(ee)	-	(ee)	-	(ee)	-
Minn.	-	-	4,497	*	-	-
Miss.	-	-	-	-	-	-
Mo.	33	3	10	-	1	1
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	868	13	860	12	135	10
N.M.	146	1	287	8	24	2
N.Y.	-	-	-	-	28 (kk)	18
N.C.	126 (ll)	20	(ll)	26	-	-
N.D.	-	-	-	-	-	-
Ohio	1	1	5	3	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	90	50	-	-
Pa.	5	3	1,001	17	-	-
R.I.	-	-	-	-	-	-
S.C.	*	7	*	9	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	45	3	-	-
Tex.	-	-	-	-	-	-
Utah	54	*	48	*	11 (mm)	*
Vt.	-	-	-	-	-	-
Va.	10	6	2	-	-	-
Wash.	1,032	15	1,032	20	480	20
W. Va.	77	3	51	-	87 (nn)	4 (nn)
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-37. SEROLOGY: VIRAL AND RICKETTSIAL
(Continued)

	BLOOD FACTOR ANTIBODY EXAMINATIONS		MISCELLANEOUS EXAMINATIONS
	Rh Antibody	Others	
Ala.	7,985	-	-
Alaska	-	-	-
Ariz.	-	-	-
Ark.	*	*	*
Cal.	*	*	*
Colo.	-	-	-
Conn.	-	-	-
Del.	-	-	-
D.C.	*	*	*
Fla.	-	-	-
Ga.	765	2,965 (oo)	-
Hawaii	-	-	-
Ida.	-	-	-
Ill.	-	-	-
Ind.	-	-	-
Ia.	-	-	-
Kans.	-	-	-
Ky.	10,667	12,825 (pp)	-
La.	-	-	-
Me.	-	-	-
Md.	4,987	2,890 (qq)	17 (rr)
Mass.	*	*	*
Mich.	-	-	-
Minn.	-	-	-
Miss.	-	-	-
Mo.	-	-	-
Mont.	-	-	-
Nebr.	-	-	-
Nev.	-	-	-
N.H.	-	-	-
N.J.	-	-	-
N.M.	1,145	-	-
N.Y.	-	-	312 (ss)
N.C.	-	-	-
N.D.	-	-	-
Ohio	-	-	-
Okla.	*	*	*
Ore.	-	-	-
Pa.	-	-	-
R.I.	-	-	-
S.C.	-	-	-
S.D.	*	*	*
Tenn.	376	-	-
Tex.	-	-	23 (tt)
Utah	7,843	117	-
Vt.	-	-	-
Va.	-	-	-
Wash.	-	-	-
W. Va.	-	-	-
Wisc.	8,358	-	-
Wyo.	-	-	-
P.R.	31	-	-
V.I.	-	-	-

FOOTNOTES. TABLE 8-37.

- (a) Includes 243 "other" complement fixations not shown in further breakdown.
- (b) Number based on number of patients.
- (c) Includes 81 "other" complement fixations not shown in further breakdown.
- (d) Includes Influenza A & B.
- (e) Includes 72 Rabies complement fixation examinations not shown in breakdown.
- (f) Complement Fixation specimens.
- (g) Includes 12 CAT examinations (no positives) not shown in further breakdown.
- (h) Includes 785 Cache Valley examinations (no positives).
- (i) Includes the following other examinations: LGV, 105 exams., 58 positives; Coxsackie B, 174 exams., 36 positives; Colorado Tick Fever, 74 exams., no positives.
- (j) Includes also these CF exams.: mixed ~~Mumps~~ and Influenza, 2 exams., 1 positive; Mumps and ECHO 9, 4 exams., 2 positives.
- (k) Parainfluenza I, II, and III included in one figure.
- (l) Represents cases.
- (m) Includes WEE, EEE, and St. Louis.
- (n) California.
- (o) Viral and Soluble.
- (p) Viral, 389; soluble, 389.
- (q) Included with WEE.
- (r) Neutralization.
- (s) Represents California, 735 exams.; and Flanders HP, 149 exams.
- (t) Viral.
- (u) RP group.
- (v) BUN group.
- (w) Toxoplasmosis.
- (x) Psittacosis.
- (y) Includes 20 FA.
- (z) Mumps.
- (aa) Cache Valley.
- (bb) Vaccinia, 14; Rubeola, 5; Mumps, 20.
- (cc) LGV.
- (dd) This figure includes Polio III, ECHO, Coxsackie, and others.
- (ee) All neutralizations included in one figure.
- (ff) Influenza A.
- (gg) Adenovirus Group, 4; Untyped isolate, 4.

- (hh) Rabies serum neutralization.
- (ii) Included with "Polio III."
- (jj) Rubella, 189; Mumps, 1.
- (kk) Rubella.
- (ll) ECHO and Coxsackie combined.
- (mm) Colorado Tick Fever.
- (nn) Adenovirus, 37 examinations, no positives; Parainfluenza, 48 examinations, 4 positives; Herpes, 2 examinations, no positives.
- (oo) Indirect Coombs, 2898; Rh antibody titrations, 67.
- (pp) Atypical antibody, 10,667; D^U detection, 2158.
- (qq) Coombs, au, etc.
- (rr) Bioassay: Thyroid antibodies CF, 1; Thyroid HA, 2; Thyroid precipitin, 2; LE antibodies, 12.
- (ss) Suckling mice: Cache Valley, 155 exams., 4 positives; California encephalitis, 155 exams., 11 positives; St. Louis, 2 exams., 2 positives.
- (tt) Indirect FA, 8 positives.

TABLE 8-38. HEMATOLOGY

	Specimens	Exams	CELL COUNTS					
			RBC	WBC	diff.	platelets	retics.	eosin.
Ala.	-	-	-	-	-	-	-	-
Alaska	3,832	10,880	-	-	-	-	-	-
Ariz.	4,546	8,716	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	-	-	-	-	-	-	-	-
Del.	343	420	7	26	25	-	-	20
D.C.	*	*	*	*	*	*	*	*
Fla.	70,427	70,427	-	3,346	3,924	-	-	-
Ga.	81,605	163,026	-	-	-	-	-	-
Hawaii	603	607	4	8	6	-	-	-
Ida.	*	1,794	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	50	50	-	-	-	-	-	-
Kans.	58	232	58	58	58	-	-	-
Ky.	1,130	4,368	810	819	814	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	10,915	10,915	-	-	-	-	-	-
Md.	36,686	78,531	140	10,258	7,533	124	221	-
Mass.	*	*	*	*	*	*	*	*
Mich.	*	16,894	-	-	-	-	-	-
Minn.	-	-	-	-	-	-	-	-
Miss.	19,053	19,053	-	1,529	296	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	418	836	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	1,931	9,441	-	1,173	1,587	-	-	-
N.H.	4,487	18,586	233	4,414	4,487	34	10	-
N.J.	*	176	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	*	25,530	243	243	243	-	-	243
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	392	3,436	25	25	25	-	-	25
Okla.	*	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*	*
Pa.	*	1,844 (a)	-	-	28	-	-	-
R.I.	1,355	1,355	-	-	-	-	-	-
S.C.	*	23,225	742	530	452	104	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	*	31,846	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-	-
Utah	*	54,037	-	-	-	-	-	-
Vt.	7,232	8,909	-	-	-	-	-	-
Va.	3,389	6,778	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-	-
W. Va.	*	484	121	121	121	-	-	-
Wisc.	*	30,165	-	-	248	-	-	16
Wyo.	48	48	-	-	-	-	-	-
P.R.	*	47,239	1,418	9,268	3,693	71	16	10
V.I.	-	-	-	-	-	-	-	-

TABLE 8-38. HEMATOLOGY
(Continued)

	Smears, "L-E" Cells	Smears, Sickled Cells	Erythrocyte Volume (Hematocrit)	Erythrocyte Sedimentation Rate	Bone Marrow Examination	Coagulation Time
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	171	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	3,613	7,659	728	-	-
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	1	-	-
Ida.	-	-	891	888	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	-	-	944	32	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	-	319	15,731	2,141	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	34	5,387	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	1,463	324	-	-
N.H.	19	-	4,487	-	-	3
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	243	243	159	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	10	-	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	50	9	7	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	31	-	-	-	38	-
Wyo.	-	-	-	-	-	-
P.R.	195	35	8,577	405	-	38
V.I.	-	-	-	-	-	-

TABLE 8-38. HEMATOLOGY
(Continued)

	Hemoglobin	Prothrombin Time	Electrophoresis	Blood Group (ABO)	Blood Type (Rh)	Other
Ala.	-	-	-	-	-	-
Alaska	-	-	-	5,643 (b)	5,237	-
Ariz.	4	-	-	4,326	4,338	48 (c)
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	171	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	25,075	-	894	2,705	22,483	-
Ga.	172	-	-	81,433	81,421	-
Hawaii	1	-	-	-	-	587 (d)
Ida.	-	-	15	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	50	-	-	-	-	-
Kans.	58	-	-	-	-	-
Ky.	893	-	56	-	-	-
La.	-	-	-	-	-	-
Me.	-	-	-	908	10,007	-
Md.	18,238	42	-	5,612	18,172	-
Mass.	*	*	*	*	*	*
Mich.	2,041	-	-	5,804	7,517	1,532 (e)
Minn.	-	-	-	-	-	-
Miss.	6,798	-	-	2,251	2,758	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	418	418	-
Nebr.	-	-	-	-	-	-
Nev.	1,180	-	-	1,857	1,857	-
N.H.	4,487	412	-	-	-	-
N.J.	-	-	-	88	88	-
N.M.	-	-	-	-	-	-
N.Y.	243	-	343	9,617	9,617	4,093 (f)
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	392	-	-	1,444	1,490	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	1,804	-	-	12	-	-
R.I.	1,355	-	-	-	-	-
S.C.	4,814	-	-	-	16,517	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	15,898	15,948	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	25,500	28,537	-
Vt.	-	-	-	80 (g)	6,438	2,391 (h)
Va.	-	-	-	3,389	3,389	-
Wash.	-	-	-	-	-	-
W. Va.	121	-	-	-	-	-
Wisc.	-	-	1,286	-	28,546	-
Wyo.	-	-	48	-	-	-
P.R.	11,192	95	73	2,462	9,556	135 (i)
V.I.	-	-	-	-	-	-

TABLE 8-39. EXFOLIATIVE CYTOLOGY AND HISTOPATHOLOGY

	Total Specimens	Total Exams	Papanicolaou	Tissue, Human,		Tissue, Animal,		Tissue, Gross	
				Micro Spec.	Exams	Micro Spec.	Exams	Spec.	Exams
Ala.	11,683	11,683 (j)	-	-	-	-	-	-	
Alaska	-	-	-	-	-	-	-	-	
Ariz.	-	-	-	-	-	-	-	-	
Ark.	*	*	*	*	*	*	*	*	
Cal.	*	*	*	*	*	*	*	*	
Colo.	-	-	-	-	-	-	-	-	
Conn.	-	-	-	-	-	-	-	-	
Del.	41,106	41,106	41,106	-	-	-	-	-	
D.C.	*	*	*	*	*	*	*	*	
Fla.	-	-	-	-	-	-	-	-	
Ga.	-	-	-	-	-	-	-	-	
Hawaii	-	-	-	-	-	-	-	-	
Ida.	-	-	-	-	-	-	-	-	
Ill.	-	-	-	-	-	-	-	-	
Ind.	-	-	-	-	-	-	-	-	
Ia.	-	-	-	-	-	-	-	-	
Kans.	-	-	-	-	-	-	-	-	
Ky.	-	-	-	-	-	-	-	-	
La.	*	11,910	1,286	*	5,312	-	-	* 5,312	
Me.	-	-	-	-	-	-	-	-	
Md.	26,803	28,914	28,914	-	-	-	-	-	
Mass.	*	*	*	*	*	*	*	*	
Mich.	-	-	-	-	-	-	-	-	
Minn.	-	-	-	-	-	-	-	-	
Miss.	-	-	-	-	-	-	-	-	
Mo.	-	-	-	-	-	-	-	-	
Mont.	-	-	-	-	-	-	-	-	
Nebr.	-	-	-	-	-	-	-	-	
Nev.	-	-	-	-	-	-	-	-	
N.H.	-	-	-	-	-	-	-	-	
N.J.	207	207	-	-	-	207	207	-	
N.M.	-	-	-	-	-	-	-	-	
N.Y.	15,520	15,520	11,876	3,302	3,302	342	342	-	
N.C.	114,281	114,281	114,281	-	-	-	-	-	
N.D.	-	-	-	-	-	-	-	-	
Ohio	-	-	-	-	-	-	-	-	
Okla.	*	*	*	*	*	*	*	*	
Ore.	*	*	*	*	*	*	*	*	
Pa.	-	-	-	-	-	-	-	-	
R.I.	3,880	7,760	-	1,940	3,880	-	-	1,940 3,880	
S.C.	-	-	-	-	-	-	-	-	
S.D.	*	*	*	*	*	*	*	*	
Tenn.	-	-	-	-	-	-	-	-	
Tex.	-	-	-	-	-	-	-	-	
Utah	-	-	-	-	-	-	-	-	
Vt.	-	-	-	-	-	-	-	-	
Va.	-	-	-	-	-	-	-	-	
Wash.	-	-	-	-	-	-	-	-	
W. Va.	-	-	-	-	-	-	-	-	
Wisc.	142,919	142,919	130,640	11,937	11,937	342	342	-	
Wyo.	-	-	-	-	-	-	-	-	
P.R.	-	-	-	-	-	-	-	-	
V.I.	-	-	-	-	-	-	-	-	

FOOTNOTES. TABLES 8-38 AND 8-39.

- (a) For evaluation purposes only.
- (b) ABO and MN.
- (c) Heterophile.
- (d) Alkali resistant hemoglobin, 4; cross matches, 583.
- (e) Paternity studies.
- (f) Rh sensitization.
- (g) Discontinued as of September, 1966.
- (h) Anti-Rh antibodies determinations: Coombs, 797; Albumin AB, 797; Saline AB, 797.
- (i) Prothrombin consumption, 2; Bleeding, 18; LE Latex, 101; Clot utraction, 3; Capillary fragility test, 2; PTT, 6; Differential PTT, 2; Thromboplastin generation test, 1.
- (j) Fluorescent Stains.

TABLE 8-40. CLINICAL CHEMISTRY: BLOOD

	Specimens	Exams	Glucose Qualitative Exams	Glucose Quantitative Exams	Cholesterol Total Exams	Bilirubin Quantitative Exams
Ala.	2,122	2,122	-	2,122	-	-
Alaska	-	-	-	-	-	-
Ariz.	167	167	-	140	27	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	2,410	3,976 (a)	-	961	898	-
Del.	3,198	3,198	3,198	-	-	-
D.C.	*	*	*	*	*	*
Fla.	34,756	34,756	32,683	1,225	-	-
Ga.	4,584	4,584	-	4,438	146	-
Hawaii	-	-	-	-	-	-
Ida.	*	6,164	-	1,120	1,109	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	2,710	2,710	-	1,000	500	-
Kans.	126	126	-	-	-	-
Ky.	16,107	19,849 (b)	-	13,784	177	-
La.	-	-	-	-	-	-
Me.	10,236	10,236	-	10,000	-	-
Md.	25,421	32,277	-	23,409	1,345	452
Mass.	*	*	*	*	*	*
Mich.	*	181,673	132,613	5,244	13,525	141
Minn.	-	-	-	-	-	-
Miss.	74,016	74,016	-	73,617	-	-
Mo.	1,450	1,450	-	1,450	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	127	127	-	127	-	-
N.H.	9,453	9,247	-	5,593	79	91
N.J.	*	4,861	-	4,249	48	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	24,650	36,489	-	24,555	1,326	1,326
N.D.	-	-	-	-	-	-
Ohio	35,195	35,583	-	35,195	388	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	*	10,474 (c)	-	7,779	86	-
R.I.	31,647	45,148	-	26,347	5,585	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	2,037	2,037	-	2,037	-	-
Tex.	-	-	-	-	-	-
Utah	2,867	2,867	2,867	-	-	-
Vt.	9,907	9,907	-	9,175	732	-
Va.	1,432	1,537	1,432	105	-	-
Wash.	481	595	-	-	-	-
W. Va.	10,173	10,173	750	3,139	1,036	915
Wisc.	158,216	155,585 (d)	-	96,951	12,357	1,261
Wyo.	*	44	-	-	-	-
P.R.	*	37,386	-	21,255	1,813	992
V.I.	2,931	2,931	-	2,931	-	-

TABLE 8-40. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Total Protein Exams	Cephalin Flocculation Exams	Chloride Exams	Creatinine Exams	Thymol Turbidity Exams	Urea Nitrogen Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	20	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	-	-	-	-	-	116
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	8	-	-	-	-	1,081
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	150	-	-	300	-	500
Kans.	-	-	-	-	-	-
Ky.	246	-	-	246	-	3,193
La.	-	-	-	-	-	-
Me.	-	-	-	-	-	-
Md.	173	388	261	-	271	4,374
Mass.	*	*	*	*	*	*
Mich.	164	15	96	13,887	-	2,242
Minn.	-	-	-	-	-	399
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	55	4	-	64	3,275
N.J.	35	-	8	144	-	198
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	1,326	-	-	-	-	1,326
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	-	-	16	107	-	376
R.I.	-	-	-	382	-	12,755
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	595 (e)	-	-	-	-	-
W. Va.	1,028	-	-	-	-	1,077
Wisc.	1,286	-	292	230	-	9,318
Wyo.	44	-	-	-	-	-
P.R.	912	916	252	335	158	5,423
V.I.	-	-	-	-	-	-

TABLE 8-40. CLINICAL CHEMISTRY: BLOOD
(Continued)

	Uric Acid Exams	Transaminase Exams	Calcium Exams	Globulin- Albumin Exams	Phenylalanine Quantitative Exams	Alkaline Phosphatase Exams	Acid Phosphatase Exams
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	578	-	-	-	-	-
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	732	-	-	-	-	-	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	1,066	1,065	-	-	-	715	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	100	-	-	-	160	-	-
Kans.	-	-	-	-	126	-	-
Ky.	318	-	-	186	1,461 (f)	-	-
La.	-	-	-	-	-	-	-
Me.	-	-	-	-	236	-	-
Md.	1,192	151 (g)	108	153	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	13,630	35	25	56	-	-	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	12	-	18	12	-	34	10
N.J.	179	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	1,326	1,326	1,326	1,326	-	1,326	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	86	-	-	-	2,024	-	-
R.I.	79	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	702	-	684	-	-	842	-
Wisc.	7,344	-	819	-	-	1,386	-
Wyo.	-	-	-	-	-	-	-
P.R.	413	3,198	303	912	-	388	116
V.I.	-	-	-	-	-	-	-

TABLE 8-41. CLINICAL CHEMISTRY: URINE AND MISCELLANEOUS

	URINE:					
	Specimens	Exams	Microscopic	Glucose	Acetone	Total Acidity
Ala.	*	342	179	161	-	-
Alaska	-	-	-	-	-	-
Ariz.	6,563	26,688	1,748	6,369	-	6,415
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	11,486	11,499	-	10,748	-	-
Del.	898	4,490	898	898	-	898
D.C.	*	*	*	*	*	*
Fla.	*	6,225	1,263	2,248	-	2,248
Ga.	-	-	-	-	-	-
Hawaii	119	149	30	119	-	-
Ida.	-	-	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	-	-	-	-	-	-
Kans.	-	-	-	-	-	-
Ky.	101	376	101	55	55	55
La.	-	-	-	-	-	-
Me.	3	3	-	-	-	-
Md.	10,626	20,803	8,468	10,257	98	126
Mass.	*	*	*	*	*	*
Mich.	*	14,322	6,189	8,120	9	-
Minn.	-	-	-	-	-	-
Miss.	1,441	1,441	1,441	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	1,881	9,743	433	9,310	-	-
N.H.	*	8,428	132	4,148	4,148	-
N.J.	*	206	-	103	-	-
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	*	*
Pa.	-	-	-	-	-	-
R.I.	11,573	20,352	8,700	11,550	102	-
S.C.	*	10,581	1,939	4,321	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	-	-	-	-	-	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	392	392	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	*	4,983	4,959	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-41. CLINICAL CHEMISTRY: URINE AND MISCELLANEOUS
(Continued)

	Urine:		Misc. Clin. Chem.	
	17 Ketosteroids	Other	Specimens	Exams
Ala.	-	2 (h)	-	-
Alaska	-	-	-	-
Ariz.	-	12,156 (i)	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	-	751 (j)	500	500
Del.	-	1,796 (k)	-	-
D.C.	*	*	*	*
Fla.	-	466 (l)	815	815 (m)
Ga.	-	-	277	277 (n)
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	-	-	-	-
Kans.	-	-	-	-
Ky.	-	110 (o)	-	-
La.	-	-	-	-
Me.	-	3 (h)	-	-
Md.	-	1,854 (p)	119	119 (q)
Mass.	*	*	*	*
Mich.	-	4 (r)	33	33 (s)
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	-	103 (t)	*	24 (u)
N.M.	-	-	-	-
N.Y.	-	-	*	17,357 (v)
N.C.	-	-	*	2,653 (w)
N.D.	-	-	-	-
Ohio	-	-	-	-
Okla.	*	*	*	*
Ore.	*	*	*	*
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	-	4,321 (x)	*	64 (y)
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W. Va.	-	-	995	995 (z)
Wisc.	234	158 (aa)	232	232 (bb)
Wyo.	-	-	-	-
P.R.	24	-	*	1,438 (cc)
V.I.	-	-	-	-

FOOTNOTES. TABLES 8-40 AND 8-41.

- (a) Includes the following exams not shown in further breakdown: Triglycerides, 497; Arsenic, 4; Lead, 1,018.
- (b) Includes also 238 exams for inorganic Phosphate in serum.
- (c) Of this total, 6,720 exams were performed for diabetes screening, 584 for confirmatory PKU testing and the remainder were performed for evaluation purposes.
- (d) Includes the following: Protein Bound Iodine, 21,889; Sodium, 502; Iron, 160; Phosphorus, 575; Potassium, 1,215.
- (e) Spinal Fluid.
- (f) Includes method and development, preparation of standards for screening, etc.
- (g) SGOT-SGPT.
- (h) Aminoaciduria.
- (i) Bence-Jones albumin, 6,093; specific gravity exams, 6,063.
- (j) Represents the following exams: arsenic, 28; cadmium, 205; lead, 465; mercury, 41; selenium, 2; thallium, 8; and amino acid, 2.
- (k) Specific gravity, 898 exams; and albumin, 898 exams.
- (l) Osmolality exams.
- (m) Cholinesterase.
- (n) TLC Lipid Fractions.
- (o) Urobilinogen, 55; protein exams, 55.
- (p) Bile, 1; occult blood, 1,853.
- (q) Occult blood (stool), 118; fat, 1.
- (r) Diacetic acid, 2, bile, 2.
- (s) Kidney function tests, 9; gastric tests: Free HCl, 12; total acidity, 12.
- (t) Specific gravity, protein, and pH exams.
- (u) Represents the following tests: Sodium, 8; Potassium, 8; Carbon dioxide, 8.
- (v) Multiphasic screening tests, 17,216; special investigations, 141.
- (w) Lactic dehydrogenase, 1,326; inorganic phosphorus, 1,326; misc., 1.
- (x) Albumin exams.
- (y) Occult blood.
- (z) Albumin, 840; sodium, 68; potassium, 87.
- (aa) 17-hydroxy, 110; calcium, 7; and others, 41.
- (bb) Spinal fluid, 144; renal calculi, 88.
- (cc) B.S.P., 916; P.S.P., 225; inorganic phosphorus, 129; LDH, 56; CO₂, 2; cholesterol, ester, 8; PBI, 102.

TABLE 8-42. PHENYLKETONURIA

	Total Specimens	Total Exams	Total Positives	Confirmatory test recommended above the following values: (Value in mg.%)
Ala.	74,632	78,031	1	20
Alaska	(a)	-	-	-
Ariz.	4,481	4,481	*	*
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	20,045	20,045	2	*
Conn.	90,710	90,710	399	4
Del.	18,461	18,461	3	4
D.C.	*	*	*	*
Fla.	*	55,140	5,441	4
Ga.	32,351	32,621	*	3.9
Hawaii	-	-	-	-
Ida.	*	10,108	6	4
Ill.	69,965	69,965	237	4
Ind.	-	-	-	-
Ia.	3,586	3,586	265	4
Kans.	18,178	18,178	175	6
Ky.	43,596	43,596	77	*
La.	*	61,817	2,343	4
Me.	29,542	29,542	24	4
Md.	54,344	57,050	649 (b)	4
Mass.	*	*	*	*
Mich.	106,018	106,018	4 (c)	4
Minn.	69,935	69,979	3	6
Miss.	-	-	-	-
Mo.	44,249	44,249	4	4
Mont.	9,351	9,351	30	4
Nebr.	-	-	-	-
Nev.	13,165	13,165	14	4
N.H.	18,311	18,312	2	4
N.J.	91,412	90,182	134	8 (d)
N.M.	*	14,702	2	4
N.Y.	*	86,965	166	4 (e)
N.C.	83,099	86,319	3	3.6
N.D.	*	13,177	49	6
Ohio	196,762	197,298	197 (f)	4
Okla.	*	*	*	*
Ore.	55,751	354,683	46 (g)	4
Pa.	61,477	62,061	18	6
R.I.	30,141	61,746	5 (h)	4
S.C.	*	22,126	299	6
S.D.	*	*	*	*
Tenn.	23,393	23,393	61	6
Tex.	115,982	116,492	*	8
Utah	-	-	-	-
Vt.	(i)	-	-	-
Va.	80,072	80,072	501	*
Wash.	8,818	8,818	3 (j)	4
W. Va.	11,633	11,633	*	4
Wisc.	-	-	-	-
Wyo.	-	-	-	-
P.R.	-	-	-	-
V.I.	922	922	-	*

TABLE 8-42. PHENYLKETONURIA
(Continued)

	Screening Tests:							
	Guthrie		Fluorometric-Manual		Paper Chromatography		Other	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	74,699 (k)	1	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	4,481	*	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	20,045	2	-	-	-	-	-	-
Conn.	90,340	29 (l)	-	-	-	-	-	-
Del.	18,461	3	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	54,416	5,441	-	-	-	-	-	-
Ga.	32,351	*	-	-	211	*	-	-
Hawaii	-	-	-	-	-	-	-	-
Ida.	10,108	6	-	-	-	-	-	-
Ill.	69,965	237 (m)	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	3,562	265	24	-	-	-	-	-
Kans.	18,073	82	-	-	-	-	-	-
Ky.	43,596	77	-	-	-	-	-	-
La.	61,660	2,321	157	22	-	-	-	-
Me.	29,528	24	-	-	-	-	-	-
Md.	54,159	649	-	-	-	-	2,706 (n)	-
Mass.	*	*	*	*	*	*	*	*
Mich.	106,018	4	-	-	-	-	-	-
Minn.	69,169	214	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	44,249	4	-	-	-	-	-	-
Mont.	9,351	30	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	13,165	14	-	-	-	-	-	-
N.H.	18,311	1	-	-	-	-	-	-
N.J.	89,594	22	-	-	-	-	-	-
N.M.	14,702	2	-	-	-	-	-	-
N.Y.	85,255	136	-	-	-	-	1,500 (o)	*
N.C.	-	-	-	-	-	-	86,319 (p)	3
N.D.	13,177	49	-	-	-	-	-	-
Ohio	196,249	197	-	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	177,251	44	-	-	177,251	*	-	-
Pa.	61,477	9	-	-	-	-	-	-
R.I.	30,141	2 (q)	474	2 (q)	31,125	1	-	-
S.C.	22,119	292	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	23,393	61	-	-	-	-	-	-
Tex.	116,209	*	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	80,072	501	-	-	-	-	-	-
Wash.	8,233	3	110 (r)	(r)	-	-	456 (s)	*
W. Va.	158	*	-	-	-	-	11,475 (p)	*
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	922	-	-	-	-	-	-	-

TABLE 8-42. PHENYLKETONURIA
(Continued)

	Confirmatory Tests:							
	Fluorometric		Paper Chromatography		LaDu		Other	
	Exams	Positives	Exams	Positives	Exams	Positives	Exams	Positives
Ala.	44 (t)	1	3,288	1	-	-	-	-
Alaska	-	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-	-
Conn.	370	370	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*	*
Fla.	679	*	45	*	-	-	-	-
Ga.	13	*	33	*	-	-	13	*
Hawaii	-	-	-	-	-	-	-	-
Ida.	-	(u)	-	-	-	-	-	-
Ill.	-	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-	-
Kans.	105	93	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-	-
La.	-	-	-	-	-	-	-	-
Me.	7	-	7	-	-	-	-	-
Md.	-	-	-	-	-	-	185 (v)	-
Mass.	*	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-	-
Minn.	-	-	810	*	-	-	-	-
Miss.	-	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-	-
N.H.	-	-	1	1	-	-	-	-
N.J.	-	-	319 (w)	112	269	*	-	-
N.M.	-	-	-	-	-	-	-	-
N.Y.	210	30	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-	-
Ohio	313	-	736	-	-	-	-	-
Okla.	*	*	*	*	*	*	*	*
Ore.	181	2	-	-	-	-	-	-
Pa.	584	9	-	-	-	-	-	-
R.I.	3	*	3	*	-	-	-	-
S.C.	7	7	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-	-
Tex.	165	*	-	-	118	*	-	-
Utah	-	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-	-
Wash.	19	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-	-

FOOTNOTES. TABLE 8-42.

- (a) Alaska Statute states Department of Health and Welfare will provide PKU testing, but no funds have been provided for this service.
- (b) Specimens 4 mg. percent or greater on initial screening.
- (c) Confirmed cases; fluorometric method employed at University Hospital.
- (d) For full-term babies; 20 mg.% for prematures.
- (e) On Guthrie; on confirmatory fluorometric 6 mg.% or more is positive.
- (f) 13 confirmed cases of PKU.
- (g) Does not include miscellaneous testing on other than newborn.
- (h) One case PKU.
- (i) Performed on voluntary basis at University Medical Center.
- (j) Of the three positives, all were 8-10 mg.% Phenylalanine and lower, which subsequently dropped to normal levels. Sixteen confirmatory analyses were made for other laboratories and clinics that had possible positive Guthrie or ferric chloride diaper tests.
- (k) Includes 67 evaluation specimens.
- (l) Two confirmed as PKU by Fluorometric method.
- (m) Five PKU cases diagnosed.
- (n) Maple Syrup Urine Disease Screening Test.
- (o) Special investigation.
- (p) Fluorometric automated.
- (q) One atypical. In this laboratory, blood specimens are routinely screened using the micro-biological assay and paper chromatography. Repeat specimens are requested when the micro-biological assay reveals a blood level in excess of 4 mg.% and paper chromatography reveals an absence of tyrosine. This procedure reduces presumptive positives to a minimum.
- (r) Dietary checks on PKU children.
- (s) Guthrie urine.
- (t) Includes 21 evaluation specimens.
- (u) Part of total MR testing program. Separate records not kept.
- (v) Urine
- (w) Since the LaDu and fluorometric tests are the official methodologies, paper chromatography is performed primarily as a supplemental procedure.

TABLE 8-43. SANITARY CHEMISTRY: WATER

	Total Samples	Total Exams	EXAMINATIONS FOR:				Biochemical Oxygen Demand
			Acidity	Alkalinity	Aluminum	Arsenic	
Ala.	*	32,469	-	-	-	-	-
Alaska		(a) -	-	-	-	-	-
Ariz.	1,000	12,739	-	1,210	-	48	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	1,352	14,565	402	402	-	723	-
Conn.	6,740	38,826	1	2,682	7	-	140
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	4,583	19,302	-	281	-	-	906
Ga.	-	-	-	-	-	-	-
Hawaii	3,509	8,144	-	181	181	181	22
Ida.	*	4,209 (b)	*	*	*	*	*
Ill.	*	94,982	-	5,116	-	-	4,002
Ind.	48,438	48,438	26	3,516	40	66	3,183
Ia.	39,683	45,906	518	2,088	28	16	3,011
Kans.		(c) -	-	-	-	-	-
Ky.	1,476	8,167	407	411	1	-	-
La.	*	7,926	-	737	-	26	94
Me.		(d) -	-	-	-	-	-
Md.	10,284	39,774	19	3,818	211	3	834
Mass.	*	*	*	*	*	*	*
Mich.	*	46,969 (e)	*	*	*	*	*
Minn.		(f) -	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	*	11,817	-	690	545	4	-
Mont.	*	6,855	-	472	-	161	-
Nebr.	1,223	16,716	-	1,028	27	15	603
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	*	59,715	35	992	36	80	3,978
N.M.	*	16,413	688	694	*	*	142
N.Y.	*	8,474 (b)	*	*	*	*	*
N.C.	3,040	22,072	45	655	31	150	-
N.D.	1,337	6,685	-	482	-	7	124
Ohio	3,692	54,289	963	4,562	26	58	1,137
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.		(g) -	-	-	-	-	-
S.C.	1,430	1,440	-	103	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	5,061	143,478	-	10,434	5	12	5,411
Utah	2,720	27,584	487	487	-	639	1,182
Vt.	462	7,419 (b)	*	*	*	*	*
Va.	750	10,235	55	347	274	209	-
Wash.	959	5,152	1	169	1	23	-
W. Va.	-	-	-	-	-	-	-
Wisc.	7,870	36,066	-	1,180	9	32	3,392
Wyo.	-	-	-	-	-	-	-
P.R.	*	3,568	43	40	-	-	109
V.I.	53	393	-	53	-	-	-

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Cadmium	Calcium	Carbon Dioxide	Chlorides	Chlorine (Residual)	Chlorine Demand	Chromium- Hexavalent
Ala.	-	-	-	-	32,006	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	550	-	658	530	-	659
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	720	418	-	690	-	39	727
Conn.	7	6	-	1,876	2	-	30
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	273	-	2,133	408	-	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	181	-	232	10	2	-
Ida.	*	*	*	*	*	*	*
Ill.	-	-	-	2,132	-	-	-
Ind.	432	364	-	3,408	2	1	306
Ia.	23	1,143	-	708	280	10	24
Kans.	-	-	-	-	-	-	-
Ky.	-	415	-	446	-	-	24
La.	20	735	245	439	-	-	-
Me.	-	-	-	-	-	-	-
Md.	-	235	759	3,049	425	1	8
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	1	606	-	628	-	-	1
Mont.	4	369	-	403	-	-	-
Nebr.	-	971	-	976	27	15	47
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	68	56	15	872	-	-	204
N.M.	*	685	*	719	*	*	*
N.Y.	*	*	*	*	*	*	*
N.C.	138	4	2	11,876	-	-	142
N.D.	-	115	-	273	50	38	-
Ohio	26	2,068	-	2,682	441	-	10
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	91	3	90	11	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	3	5,023	10,434	10,434	-	5,411	152
Utah	551	457	-	489	514	-	309
Vt.	*	*	*	*	*	*	*
Va.	213	323	311	350	369	-	285
Wash.	-	169	152	244	35	1	6
W. Va.	-	-	-	-	-	-	-
Wisc.	4	263	-	721	255	-	301
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	80	-	-	-
V.I.	-	53	-	53	-	-	-

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Chromium- Total	Color	Conductance	Copper	Cyanide	Detergents (Surfactants)	Fluoride
Ala.	-	-	-	-	-	463	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	543	738	566	-	15	700
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	727	393	550	737	-	917	897
Conn.	12	4,755	-	55	68	370	1,163
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	1,528	880	-	4	13	3,237
Ga.	-	-	-	-	-	-	-
Hawaii	-	201	-	182	-	4	78
Ida.	*	*	*	*	*	*	*
Ill.	-	-	-	-	-	2,040	1,186
Ind.	317	2,072	1,848	438	476	177	3,222
Ia.	42	-	1,788	172	55	305	2,632
Kans.	-	-	-	-	-	-	-
Ky.	-	377	-	14	-	10	1,382
La.	20	291	-	20	-	-	371
Me.	-	-	-	-	-	-	-
Md.	11	2,742	-	91	-	274	2,439
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	-	-	-	3	-	18	1,886
Mont.	-	-	-	510	-	-	450
Nebr.	-	-	355	75	20	472	762
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	204	3,720	-	192	144	2,036	448
N.M.	*	712	732	*	*	696	1,221
N.Y.	*	*	*	*	*	*	*
N.C.	-	561	-	166	1	5	1,757
N.D.	-	-	590	-	-	12	644
Ohio	159	2,043	1,022	141	1,242	126	2,059
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	1	-	-	133	-	-	394
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	31	2,647	10,434	27	11	43	5,023
Utah	473	-	499	562	7	651	562
Vt.	*	*	*	*	*	*	*
Va.	272	185	-	294	186	351	636
Wash.	-	174	185	15	-	37	493
W. Va.	-	-	-	-	-	-	-
Wisc.	77	457	243	109	44	630	2,353
Wyo.	-	-	-	-	-	-	-
P.R.	-	838	-	-	-	-	265
V.I.	-	-	-	-	-	-	-

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	EXAMINATIONS FOR:						
	Grease	Hardness	Iron-Soluble	Iron-Total	Lead	Magnesium	Manganese
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	630	36	555	30	545	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	482	430	-	728	412	392
Conn.	3	1,585	-	1,749	13	60	393
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	280	-	326	-	273	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	181	-	182	181	181	181
Ida.	*	*	*	*	*	*	*
Ill.	-	6,807	-	6,170	-	-	-
Ind.	-	2,272	-	593	200	289	607
Ia.	264	2,806	256	3,870	79	831	754
Kans.	-	-	-	-	-	-	-
Ky.	-	416	-	440	-	416	413
La.	4	735	-	260	20	735	236
Me.	-	-	-	-	-	-	-
Md.	10	2,398	-	2,296	14	233	313
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	-	721	-	905	17	606	666
Mont.	-	406	-	964	161	365	-
Nebr.	65	971	-	1,032	17	971	1,032
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	620	568	-	1,496	32	10	604
N.M.	*	694	-	702	*	676	684
N.Y.	*	*	*	*	*	*	*
N.C.	-	618	-	618	152	-	637
N.D.	-	670	-	452	-	111	117
Ohio	91	2,040	399	2,586	27	1,884	1,857
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	89	-	123	-	97	93
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	9	5,023	5,023	-	9	5,023	5,023
Utah	138	487	546	570	498	552	465
Vt.	*	*	*	*	*	*	*
Va.	-	352	264	343	229	328	364
Wash.	2	229	-	248	26	155	184
W. Va.	-	-	-	-	-	-	-
Wisc.	36	1,396	-	1,006	9	96	328
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	53	-	-	-	53	-

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	Examinations for:						
	Nickel	Nitrogen- Ammonia	Nitrogen- Nitrate	Nitrogen- Nitrite	Odor	Oxygen, Dissolved	pH
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	600	-	493	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	392	690	-	318	-	692
Conn.	31	1,854	1,857	1,857	4,591	36	5,625
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	-	953	-	-	1,955	2,112
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	211	181	181	51	3,463
Ida.	*	*	*	*	*	*	*
Ill.	-	-	13,464	-	-	-	23,309
Ind.	432	393	2,434	2	1,978	-	3,726
Ia.	34	570	11,499	243	2	1,406	840
Kans.	-	-	-	-	-	-	-
Ky.	8	-	414	1	407	-	408
La.	-	60	6	243	93	429	-
Me.	-	-	-	-	-	-	-
Md.	-	1,387	2,817	1,376	17	553	4,326
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	-	-	849	-	-	-	808
Mont.	-	-	446	-	-	-	40
Nebr.	-	352	1,067	4	-	-	1,124
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	80	5,244	4,832	532	2,948	8,722	6,184
N.M.	-	*	706	*	694	*	823
N.Y.	*	*	*	*	*	*	*
N.C.	-	-	8	2	1	-	2,320
N.D.	-	-	608	-	-	76	459
Ohio	85	1,306	2,196	1,257	-	4,354	6,295
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	124
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	5,156	10,434	5,482	-	3,608	10,434
Utah	-	-	509	366	-	5,632	1,678
Vt.	*	*	*	*	*	*	*
Va.	162	129	299	166	-	-	346
Wash.	-	-	432	162	174	1	201
W. Va.	-	-	-	-	-	-	-
Wisc.	13	543	1,184	475	238	8,475	1,725
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	838	253	-
V.I.	-	-	-	-	-	-	27

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	Examinations for:						
	Phenol	Phosphate	Potassium	Sand Analysis	Silicate	Sodium	Solids
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	470	-	-	-	553	670
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	102	-	-	398	-	407
Conn.	60	17	1	-	-	327	399
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	5	-	-	-	-	618
Ga.	-	-	-	-	-	-	-
Hawaii	181	50	181	-	181	181	194
Ida.	*	*	*	*	*	*	*
Ill.	-	-	-	-	-	-	4,730
Ind.	185	2,328	435	18	20	579	7,654
Ia.	49	789	668	-	706	958	3,804
Kans.	-	-	-	-	-	-	-
Ky.	19	25	-	3	-	-	806
La.	-	54	287	3	-	349	314
Me.	-	-	-	-	-	-	-
Md.	1	358	62	-	227	1,037	2,815
Mass.	*	*	*	*	*	*	*
Mich.	*	*	*	*	*	*	*
Minn.	-	-	-	-	-	-	-
Miss.	*	*	*	*	*	*	*
Mo.	-	-	556	-	-	563	549
Mont.	26	42	-	-	-	354	583
Nebr.	5	350	947	-	-	947	1,025
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	148	1,820	-	24	-	360	6,792
N.M.	*	*	668	-	*	678	696
N.Y.	*	*	*	*	*	*	*
N.C.	1	111	574	46	-	688	18
N.D.	-	-	-	-	-	447	452
Ohio	43	621	-	132	4	2,006	2,396
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	11	69
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	15	306	47	-	2,643	5,023	3,754
Utah	12	514	829	672	489	908	1,760
Vt.	*	*	*	*	*	*	*
Va.	199	358	303	-	314	301	286
Wash.	-	181	156	-	169	156	334
W. Va.	-	-	-	-	-	-	-
Wisc.	10	-	-	-	6	407	8,171
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	53

TABLE 8-43. SANITARY CHEMISTRY: WATER
(Continued)

	Examinations for:				
	Sulfate	Sulfide	Turbidity	Zinc	Other
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	543	-	542	-	855
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	10	400	370	-	-
Conn.	80	9	4,741	31	2,333 (h)
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	278	-	1,339	-	1,500
Ga.	-	-	-	-	-
Hawaii	181	4	181	181	181 (i)
Ida.	*	*	*	*	*
Ill.	1,931	-	3,404	-	20,691
Ind.	628	-	2,252	432	1,087
Ia.	908	14	-	110	1,603 (j)
Kans.	-	-	-	-	-
Ky.	426	-	448	-	30
La.	81	-	439	20	560
Me.	-	-	-	-	-
Md.	220	1	2,748	-	1,646
Mass.	*	*	*	*	*
Mich.	*	*	*	*	*
Minn.	-	-	-	-	-
Miss.	*	*	*	*	*
Mo.	629	3	563	-	-
Mont.	365	-	14	491	229
Nebr.	962	5	376	71	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	456	-	4,608	68	487
N.M.	715	*	704	*	1,684
N.Y.	*	*	*	*	*
N.C.	5	-	584	145	11
N.D.	271	-	86	-	601
Ohio	2,552	-	1,051	201	2,141 (k)
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	-	-	-	3	5 (l)
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	8,741	53	-	17	2,109
Utah	477	627	492	466	1,028 (m)
Vt.	*	*	*	*	*
Va.	369	136	-	256	71 (n)
Wash.	160	27	168	6	276
W. Va.	-	-	-	-	-
Wisc.	263	11	7	59	1,538 (o)
Wyo.	-	-	-	-	-
P.R.	-	-	838	-	264 (p)
V.I.	-	-	48	-	-

FOOTNOTES FOR TABLE 8-43.

- (a) Plans to establish a chemistry laboratory with the U.S. Geological Survey in the Federal Building in Juneau are still in construction phase for the laboratory facilities. Chemist I position budgeted for and recruitment in progress.
- (b) Breakdown by type of test not recorded.
- (c) Sanitary Engineering Laboratory handled 8,310 specimens, 56,310 examinations.
- (d) Division of Sanitary Engineering handled 11,342 specimens, 107,277 examinations.
- (e) Total chemical and radiological on water and wastes water. Detailed information on type of test not available.
- (f) Total of 15,957 tests performed by Analytical Services Laboratory, Division of Environmental Health.
- (g) Tests not performed by the Division of Laboratories.
- (h) Represents the following examinations: chlorinated hydrocarbons, 4; physical appearance, 165; hydrocarbons, 225; fluorescein dye, 53; Thallium, 7; nitrogen-organic, 155; nitrogen-albuminoid, 1,701; silica, 4; other 19.
- (i) Selenium.
- (j) Chemical oxygen demand, 312; organic nitrogen, 271; organic chemical analysis, 40; iron bacteria and algae, 980.
- (k) Corrosion index, 1,870; Tannin-Lignin, 87; Fish Assay, 121; Chemical Oxygen demand, 63.
- (l) Volatile solids.
- (m) Boron, 473; other 555.
- (n) Nitrogen organic, 4; COD, 67.
- (o) Phosphorus (Total), 600; Other, 938.
- (p) Toxicity.

TABLE 8-44. SANITARY CHEMISTRY: MILK AND CREAM

	Total Samples	Total Examinations	Butterfat	Solids
Ala.	11,537	36,605	11,273	3,735
Alaska	702	1,402	478	222
Ariz.	*	5,504	2,104	1,261
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	*	1,699	1,163	-
Conn.	12,158	19,040 (a)	5,022	-
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	26,126	62,048	26,126	26,126
Ga.	19,687	30,761	96	54
Hawaii	2,596	6,999 (b)	1,991	1,959
Ida.	*	5,017	1,817	699
Ill.	*	10,521	432	-
Ind.	*	6,304	2,686	5
Ia.	7,863	1,556	438	-
Kans.	*	10,265	964	28
Ky.	11,709	5,832	1,002	730
La.	*	6,164	2,380	1,324
Me.	-	-	-	-
Md.	12,021	25,833	4,956	3,176
Mass.	*	*	*	*
Mich.	*	11,064	4,805	*
Minn.	-	-	-	-
Miss.	- (c)	74,533	55,622	16,754
Mo.	*	798	440	138
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	*	2,932	946	946
N.M.	*	6,076	-	-
N.Y.	*	3,965	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	*	411	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R. I.	- (d)	-	-	-
S.C.	*	4,288	1,232	373
S.D.	*	*	*	*
Tenn.	7,933	11,272	7,933 (e)	- (e)
Tex.	2,520	6,409	2,520	2,520
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	3,058	3,204	140	6
Wash.	117	117	-	-
W. Va.	-	-	-	-
Wisc.	-	-	-	-
Wyo.	-	-	-	-
P. R.	*	235	-	-
V. I.	368	408	26	-

TABLE 8-44. SANITARY CHEMISTRY: MILK AND CREAM
(Continued)

	Phosphatase	Cryoscope	Sediment	Other
Ala.	12,156	1,210	1,866	6,365 (f)
Alaska	702	-	-	-
Ariz.	2,139	-	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	536	-	-
Conn.	4,286	7,613	-	2,119 (g)
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	6,531	3,265	-	-
Ga.	11,128	12,987	6,418	78 (h)
Hawaii	1,173	-	1,876	-
Ida.	2,412	89	-	-
Ill.	10,089	-	-	-
Ind.	2,622	991	-	-
Ia.	1,118	-	-	-
Kans.	9,273	-	-	-
Ky.	2,241	1,859	-	-
La.	2,410	35	-	15
Me.	-	-	-	-
Md.	5,096	10,839	1,766	-
Mass.	*	*	*	*
Mich.	6,259	-	-	-
Minn.	-	-	-	-
Miss.	-	2,157	-	-
Mo.	-	220	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	1,036	4	-	-
N.M.	4,503	1,573	-	-
N.Y.	3,965	-	-	-
N.C.	-	-	-	-
N.D.	-	-	-	-
Ohio	411	-	-	-
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	1,173	1,510	-	-
S.D.	*	*	*	*
Tenn.	3,339	-	-	-
Tex.	1,260	109	-	-
Utah	-	-	-	-
Vt.	-	-	-	-
Va.	3,058	-	-	-
Wash	117	-	-	-
W. Va.	-	-	-	-
Wisc.	-	-	-	-
Wyo.	-	-	-	-
P.R.	65	170	-	-
V.I.	368	-	-	14 (i)

FOOTNOTES FOR TABLE 8-44.

- (a) Connecticut also reported the following sanitary chemistry examinations not shown in further breakdown: sewage, sludge, industrial wastes, 364 specimens; 5,597 examinations of numerous types; clinical thermometers, 18,444 specimens, 124,003 determinations, miscellaneous sanitary chemical, 1,213 specimens, 2,084 determinations; calibration of milk pipettes, 720 specimens; 720 determinations; milk and milk products, 1,166 specimens, 2,862 examinations of various types; frozen desserts and frozen dessert mixes, 692 specimens and 1,378 exams of various types.
- (b) Hawaii reported the following other sanitary chemistry: frozen desserts, 1,023 specimens; 1,023 butterfat examinations; food, 1,281 specimens, 2,557 various examinations.
- (c) Specimens entered under "Sanitary Bacteriology."
- (d) Tests not performed by the Division of Laboratories.
- (e) This figure includes Butterfat, total solids, chlorine, cyroscopic, and solids not fat.
- (f) Wisconsin mastitis test, 2,933; specific gravity, 3,432.
- (g) Represents the following examinations: acidity, 21; cleanliness, 3; flavor and odor, 20; Homogenization, 1,591; neutralizer, 16; pH, 1; reactivation, 8; reconstitution, 1; skimming, 159; total solids, 299.
- (h) Specific Gravity examinations, 54; Laboratory Pasteurized, 18; Acidity, 6.
- (i) Reactivated Phosphatase.

TABLE 8-45. AIR POLLUTION

	Total Samples	Total Examinations	Aldehydes	Benzyne Soluble	Lead
Ala.	-	-	-	-	-
Alaska	- (a)	-	-	-	-
Ariz.	9	18	-	9	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	2,946	3,942	-	153	-
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	- (b)	-	-	-	-
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	-	-	-	-	-
Ind.	- (c)	-	-	-	-
Ia.	-	-	-	-	-
Kans.	- (d)	-	-	-	-
Ky.	142	439	-	-	-
La.	-	-	-	-	-
Me.	-	-	-	-	-
Md.	3,925	27,968	-	-	812
Mass.	*	*	*	*	*
Mich.	-	-	-	-	-
Minn.	- (e)	-	-	-	-
Miss.	-	-	-	-	-
Mo.	2	2	2	-	-
Mont.	*	3,303	-	341	594
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	- (f)	- (f)	- (f)	-	-
N.M.	*	1,842	-	921	*
N.Y.	4,841 (g)	- (g)	*	*	*
N.C.	- (h)	941	-	-	-
N.D.	-	-	-	-	-
Ohio	833	1,546	4	-	33
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	- (i)	-	-	-	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	975	2,668	21	898	187
Utah	*	8	6	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	- (j)	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	240	240	-	-	-
Wyo.	-	-	-	-	-
P.R.	*	80	-	-	-
V.I.	-	-	-	-	-

TABLE 8-45. AIR POLLUTION
(Continued)

	Oxidants	Oxides of Nitrogen	Particulates	Sulphur Dioxide	Other
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	9	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	139	243	-	1,018	2,389 (k)
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	-	-	-	-	-
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	-	-	-	-	-
Ind.	-	-	-	-	-
Ia.	-	-	-	-	-
Kans.	-	-	-	-	-
Ky.	-	-	44	49	346 (l)
La.	-	-	-	-	-
Me.	-	-	-	-	-
Md.	372	-	-	24	26,760 (m)
Mass.	*	*	*	*	*
Mich.	-	-	-	-	-
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	571	171	1,626 (n)
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	- (f)	- (f)	-	- (f)	- (f)
N.M.	-	-	921	*	-
N.Y.	*	*	*	*	*
N.C.	-	-	941	-	-
N.D.	-	-	-	-	-
Ohio	153	-	426	-	930 (o)
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	-	-	702	-	860 (p)
Utah	-	2	-	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	-	-	120	120	-
Wyo.	-	-	-	-	-
P.R.	-	39	-	41	-
V.I.	-	-	-	-	-

FOOTNOTES FOR TABLE 8-45.

- (a) Air and rainfall sampling was turned over from laboratories to Branch of Environmental Health.
- (b) Performed by Bureau of Sanitary Engineering and City or County Air Pollution Control Agencies.
- (c) Handled by Bureau of Environmental Sanitation Laboratories.
- (d) Handled by Sanitary Engineering Laboratory (3,593 specimens, 3,593 examinations).
- (e) A total of 2,579 coefficient of haze examinations performed by Analytical Services Laboratory, Division of Environmental Health.
- (f) One-half hour tests made. Digital information recorded on $\frac{1}{2}$ hour averages from analog data.
- (g) Total samples, not broken down by type of examination.
- (h) Included with radioactivity specimens.
- (i) Tests not performed by the Division of Laboratories.
- (j) Handled by the Office of Air Quality Control which has four continuous sampling stations for carbon monoxide, four stations for oxidants, one sampling station for sulphur dioxide. In addition, 6,107 examinations performed.
- (k) Represents the following examinations: carbon monoxide, 56; solids - total and suspended, 2,122; pollen, 62; sulfates, 74; and miscellaneous (including nitrates, pH, analysis of solids, organic breakdown of suspended solids), 75.
- (l) Hi volume - total weight pH, nitrates, organics, sulfates, 282; effects packages, 6; miscellaneous, 58.
- (m) Total dust, 2,023; organics, 803; others (dust tapes and metals), 23,934.
- (n) Sulfate, 571; fluoride, 695; arsenic, 360.
- (o) Benzene soluble, 555; ozone, 24; dust, 39; arsenic, 8; acids, 15; total inorganics, 74; organics, 48; elements, miscellaneous, 167.
- (p) Nitrates, 402; sulphate, 402; other 56.

TABLE 8-46. INDUSTRIAL CHEMISTRY

	Total Specimens	Total Examinations	Arsenic	Carbon Monoxide	Gases
Ala.	9	9	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	103	260	-	-	-
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	577	569	-	-	49 (a)
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	-	-	-	-	-
Ill.	-	-	-	-	-
Ind.	(b)	-	-	-	-
Ia.	880	1,473	-	77	107
Kans.	-	-	-	-	-
Ky.	251	640	-	-	-
La.	-	-	-	-	-
Me.	16	22	-	-	14
Md.	80	2,958	-	-	-
Mass.	*	*	*	*	*
Mich.	-	-	-	-	-
Minn.	(c)	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	*	2,090	1	-	-
N.M.	*	*	*	*	*
N.Y.	-	-	-	-	-
N.C.	420	429	6	-	23
N.D.	-	-	-	-	-
Ohio	155	214	-	-	-
Okla.	*	*	*	*	*
Ore.	-	-	-	-	-
Pa.	-	-	-	-	-
R.I.	(d)	-	-	-	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	-	-	-	-	-
Utah	*	924	38	4	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	904	557	117	66	111
Wyo.	-	-	-	-	-
P.R.	*	105	-	-	-
V.I.	-	-	-	-	-

TABLE 8-46. INDUSTRIAL CHEMISTRY
(Continued)

	Lead	Mercury	Organic Chemical Analysis	Other
Ala.	-	-	-	9 (e)
Alaska	-	-	-	-
Ariz.	-	-	-	-
Ark.	*	*	*	*
Cal.	*	*	*	*
Colo.	-	-	-	-
Conn.	13	-	83	164 (f)
Del.	-	-	-	-
D.C.	*	*	*	*
Fla.	311	12	-	197 (g)
Ga.	-	-	-	-
Hawaii	-	-	-	-
Ida.	-	-	-	-
Ill.	-	-	-	-
Ind.	-	-	-	-
Ia.	14	4	345	926 (h)
Kans.	-	-	-	-
Ky.	31	-	-	609 (i)
La.	-	-	-	-
Me.	-	-	8	-
Md.	2,824	-	-	134
Mass.	*	*	*	*
Mich.	-	-	-	-
Minn.	-	-	-	-
Miss.	-	-	-	-
Mo.	-	-	-	-
Mont.	-	-	-	-
Nebr.	-	-	-	-
Nev.	-	-	-	-
N.H.	-	-	-	-
N.J.	1,936	2	29	122 (j)
N.M.	*	*	*	*
N.Y.	-	-	-	-
N.C.	11	-	5	384 (k)
N.D.	-	-	-	-
Ohio	27	-	46	141 (l)
Okla.	*	*	*	*
Ore.	-	-	-	-
Pa.	-	-	-	-
R.I.	-	-	-	-
S.C.	-	-	-	-
S.D.	*	*	*	*
Tenn.	-	-	-	-
Tex.	-	-	-	-
Utah	360	5	4	513 (m)
Vt.	-	-	-	-
Va.	-	-	-	-
Wash.	-	-	-	-
W. Va.	-	-	-	-
Wisc.	75	18	170	-
Wyo.	-	-	-	-
P.R.	74	31	-	-
V.I.	-	-	-	-

FOOTNOTES FOR TABLE 8-46.

- (a) Includes carbon dioxide.
- (b) Handled by Bureau of Environmental Sanitation Laboratories.
- (c) Total of 161 tests performed by Analytical Services Laboratory, Division of Environmental Health.
- (d) Tests not performed by the Division of Laboratories.
- (e) Water Suitability Test.
- (f) Represents: metals other than lead, 97; silica, 8; and miscellaneous (including cyanide, fibers, oil mist and microscopic examinations), 59.
- (g) Represents the following: Beryllium, 23; Fluorides, 82; Cr, Mn, Zn, Au, 24; Dust and Miscellaneous, 68.
- (h) Dust count, 6; zinc, 11, free silica, 37; formaldehyde, 24; cadmium, 14; boron, 4; copper, 13; manganese, 12; nickel, 13; chloride, 4; calcium, 8; magnesium, 8; fluoride, 17; potassium, sodium sulfate, 56; smoke, 38, air velocity traverses, 173; noise, 57; light, 42; psychrometric, 46; bacterial, 15; other metals, 113; particulate, 159; others, 56.
- (i) Free silica, 88; solvents, 32; fluorides, 18; beryllium, 10; miscellaneous metals in air, 271; cadmium, 49; miscellaneous, 141.
- (j) Represents other cations, 99; free silica, 23.
- (k) Silica, dust, zinc, and miscellaneous.
- (l) Copper, 6; iron, 17; oxidants, oxides, 32; elements, miscellaneous, 61; aldehydes, 7; amines, 18.
- (m) Selenium, 7; beryllium, 493; other metals, 13.

TABLE 8-47. RADIOACTIVITY

	Total Specimens	Total Exams	AIR: EXAMINATIONS			
			Specimens	Gross Beta	Specific Isotopes	Other
Ala.	-	-	-	-	-	-
Alaska	(a)	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	1,018	2,169	389	389	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	2,327	3,835	1,168	1,168	-	-
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	*	2,013	*	1,606	-	-
Ill.	*	8,722	*	8,722	-	-
Ind.	(b)	-	-	-	-	-
Ia.	1,882	4,662	537	621 (c)	-	188 (d)
Kans.	(e)	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	594	7,948	-	-	-	-
Me.	(f)	-	-	-	-	-
Md.	1,195	2,124	687	250	-	687 (g)
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	*	2,402	*	48	-	40 (d)
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	(h)	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	3,490	919	*	361	-	-
N.M.	-	-	-	-	-	-
N.Y.	*	2,168	*	721 (i)	*	*
N.C.	2,286	5,534	680	588	236	587
N.D.	2,360	4,984	375	365	2	8 (d)
Ohio	595	1,106	4	-	-	4 (j)
Okla.	*	*	*	*	*	*
Ore.	*	*	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	(k)	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	514	805	150	150	-	-
Utah	(l)	-	-	-	-	-
Vt.	(m)	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	(n)	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	1,428	2,392	505	461	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-47. RADIOACTIVITY
(Continued)

	MILK: EXAMINATIONS				
	Specimens	Cesium	Iodine	Strontium 90	Other
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	65	63	63	21	210 (o)
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	198	198	198	198	396 (p)
Ga.	-	-	-	-	-
Hawaii	-	-	-	-	-
Ida.	*	280 (q)	(q)	(q)	-
Ill.	-	-	-	-	-
Ind.	-	-	-	-	-
Ia.	124	124	124	124	124 (r)
Kans.	-	-	-	-	-
Ky.	-	-	-	-	-
La.	360	360	360	360	720 (s)
Me.	-	-	-	-	-
Md.	87	57	61	66	161 (t)
Mass.	*	*	*	*	*
Mich.	-	-	-	-	-
Minn.	*	139	139	113	-
Miss.	-	-	-	-	-
Mo.	-	-	-	-	-
Mont.	-	-	-	-	-
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	*	-	100	458	-
N.M.	-	-	-	-	-
N.Y.	*	411 (u)	*	*	*
N.C.	116	128	128	116	710 (v)
N.D.	1,778	623	623	1,540	623 (w)
Ohio	113	113	113	-	306 (x)
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	-	-	-	-	-
S.C.	-	-	-	-	-
S.D.	*	*	*	*	*
Tenn.	-	-	-	-	-
Tex.	140	140	140	140	-
Utah	-	-	-	-	-
Vt.	-	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	336	336	336	-	672 (y)
Wyo.	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	-

TABLE 8-47. RADIOACTIVITY
(Continued)

	RAINFALL: EXAMINATIONS					
	Specimens	Cesium	Strontium 90	Gross Alpha	Gross Beta	Other
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	-	-	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	213	-	-	213	213	-
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	*	99	-	-	-	-
Ill.	-	-	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	143	-	-	17	143	-
Kans.	-	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	11	-	-	11	(z)	11 (aa)
Me.	-	-	-	-	-	-
Md.	-	-	-	-	-	-
Mass.	*	*	*	*	*	*
Mich.	-	-	-	-	-	-
Minn.	*	-	-	37	58	-
Miss.	-	-	-	-	-	-
Mo.	-	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	-	-	-	-	-	-
N.M.	-	-	-	-	-	-
N.Y.	*	207 (bb)	*	*	*	*
N.C.	317	-	-	630	(z)	-
N.D.	40	44	144	-	-	88 (cc)
Ohio	-	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	-	-	-	-	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	5	-	1	5	(z)	-
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	150	150 (bb)	*	*	*	*
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V.I.	-	-	-	-	-	-

TABLE 8-47. RADIOACTIVITY
(Continued)

	WATER: EXAMINATIONS					MISCELLANEOUS RADIOACTIVITY	
	Specimens	Gross Alpha	Gross Beta	Cesium	Other	Specimens	Exams
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	397	114	383	-	425 (dd)	167 (ee)	501
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	503	503	503	-	-	245 (ff)	245 (ff)
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	*	28	(z)	-	-	-	-
Ill.	-	-	-	-	-	-	-
Ind.	-	-	-	-	-	-	-
Ia.	1,078	1,537	1,660 (c)	-	-	-	-
Kans.	-	-	-	-	-	-	-
Ky.	-	-	-	-	-	-	-
La.	223	223	(z)	-	223 (aa)	*	5,680 (gg)
Me.	-	-	-	-	-	-	-
Md.	421	-	.842 (hh)	-	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	-	-	-	-	-	-	-
Minn.	*	813	886	56 (ll)	73 (jj)	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	-	-	-	-
Mont.	-	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	*	829 (kk)	*	*	*	*	*
N.C.	235	-	(ll)	24.	864 (ll)	938	1,523 (mm)
N.D.	2	-	-	3	9 (nn)	165 (oo)	912 (oo)
Ohio	478	478	(z)	23	69 (pp)	-	-
Okla.	*	*	*	*	*	*	*
Ore.	-	-	-	-	-	-	-
Pa.	-	-	-	-	-	-	-
R.I.	-	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	19	3	-	19	7 (qq)	200	200
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-
Wisc.	220	-	216	4	-	217	217
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-

FOOTNOTES. TABLE 8-47.

- (a) Radioactivity is to be part of the services of the chemistry laboratory.
- (b) Handled by Bureau of Environmental Sanitation Laboratories.
- (c) Gross Beta-Gamma.
- (d) Gross Alpha.
- (e) Handled by Sanitary Engineering Laboratory - 991 specimens (air, milk, rainfall, water, and wipe tests); 1,747 exams.
- (f) Performed by Division of Sanitary Engineering Service (191 spec., 363 exams).
- (g) Long-lived daughters.
- (h) Radiological safety was organized in 1968.
- (i) Total air samples not broken down by type of test.
- (j) Gamma, total activity.
- (k) Tests not performed by the Division of Laboratories.
- (l) Tests performed by separate laboratories.
- (m) Performed by Industrial Hygiene Laboratory of Vermont State Health Department.
- (n) Total of 1,168 tests performed by the Office of Air Quality Control-Radiation Section.
- (o) Barium-lanthanum - 140,63; Potassium, 63; Strontium 89, 21; Gamma scan, 63.
- (p) Barium 140, 198; Potassium 40, 198.
- (q) This figure includes cesium, iodine, and strontium 90.
- (r) Potassium.
- (s) Barium, 360; Potassium, 360.
- (t) Strontium 89, 65; Barium, 42; Calcium, 54.
- (u) Total milk exams, not broken down by type.
- (v) Barium and Potassium.
- (w) Barium-Lanthanum-140.
- (x) Strontium, 4; Barium-lanthanum, 113; Calcium, 76; Potassium, 113.
- (y) Barium-Lanthanum, 336; Potassium, 336.
- (z) Gross alpha and beta combined.
- (aa) Gamma.
- (bb) Total rainfall exams, not broken down by type.
- (cc) Iodine, 44; Barium-lanthanum-140, 44.
- (dd) Potassium, 158; Chlorides, 8; Gross Radium, 3; Gamma scan, 19; Total solids, 237.
- (ee) Miscellaneous includes sewage, industrial wastes, aquatic life, silt and mud, teenage diet, wipe samples, hay and silage.
- (ff) Vegetation, biota, soil: Gross alpha, beta plus 9 radionuclides.
- (gg) Vegetables: Gross Alpha, Beta, Gamma.

- (hh) Gross Beta suspended, 421, Gross Beta dissolved, 421.
- (ii) Cesium 134, 28; Cesium 137, 28.
- (jj) Iodine 131, 13; Cobalt 58, 20; Cobalt 60, 20; Manganese 54, 19; Chromium 51, 1.
- (kk) Total water exams, not broken down by type.
- (ll) Total beta and gamma scan combined.
- (mm) Dust, food, silt, wipes and miscellaneous.
- (nn) Three exams each: Iodine, Barium-lanthanum-140, Strontium 90.
- (oo) Vegetation: Cesium, 178; Iodine, 178; Barium-Lanthanum-140, 178; Strontium 90, 200, Other, 178.
- (pp) Iodine, 23; Barium-lanthanum, 23; Potassium, 23.
- (qq) Uranium.

TABLE 8-48. TOXICOLOGY

	Total Specimens	Total Examinations	Drug Examinations	Food, Water and Milk Examinations	Examinations of Tissues and Body Fluids for:		
					Barbiturates	Bromide	Alcohol
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	6,766	14,143	3,866	-	890	17	2,871
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	2,460	4,244	2,066	228	206	-	1,089
Ga.	-	-	-	-	-	-	-
Hawaii	247	1,172	586	4	35	-	18
Ida.	*	366	14	-	-	-	329 (a)
Ill.	*	3,520	-	-	250	13	1,001
Ind.	- (b)	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	1,903	2,394	286	48	85	2	1,572
Ky.	279	921	-	463	-	-	-
La.	30	64	-	-	2	-	-
Me.	- (c)	-	-	-	-	-	-
Md.	2,928	8,275	6,552 (d)	-	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	*	3,551	428	-	58	-	2,796
Minn.	-	- (e)	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	*	175	-	-	-	-	-
Mont.	*	561	-	-	-	-	535
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	- (f)	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	17	17	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	206 (g)	221	-	-	2	-	1
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	*	34,026	26,786	-	363	-	1,579
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	887	977	-	-	56	-	744
Va.	-	-	-	-	-	-	-
Wash.	3	3	-	3	-	-	-
W. Va.	-	-	-	-	-	-	-
Wisc.	71	71	-	-	31	11	-
Wyo.	-	-	-	-	-	-	-
P.R.	*	833	-	-	-	-	833
V.I.	-	-	-	-	-	-	-

TABLE 8-48. TOXICOLOGY
(Continued)

Examinations of Tissues and Body Fluids for:							
	Psychotropic Agents	Drug Levels, Miscellaneous	Transaminase	Lead	Arsenic	Mercury	Other Metals
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	-	-	-	-	-	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	-	-	-	-	-	-	-
Conn.	-	674	-	-	29	10	-
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	-	105	-	-	66	11	-
Ga.	-	-	-	-	-	-	-
Hawaii	2	125	-	6	3	-	3
Ida.	-	-	-	-	-	-	-
Ill.	51	744	9	114	72	14	61
Ind.	-	-	-	-	-	-	-
Ia.	-	-	-	-	-	-	-
Kans.	26	43	-	96	47	8	27
Ky.	-	-	-	5	-	-	-
La.	4	-	-	19	11	3	-
Me.	-	-	-	-	-	-	-
Md.	-	-	-	1,723	-	-	-
Mass.	*	*	*	*	*	*	*
Mich.	-	127	-	3	3	-	-
Minn.	-	-	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	-	-	-	166	4	-	-
Mont.	-	-	-	6	5	-	3
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	-	-	-	-	-	-	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	-	-	-	6	11	-	-
N.D.	-	-	-	-	-	-	-
Ohio	-	-	-	173	6	6	16
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	34	1,231	-	-	5	5	10
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	70	-	17 (h)	(h)	(h)	(h)
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-

TABLE 8-48. TOXICOLOGY
(Continued)

Examinations of Tissues and Body Fluids For:					
	Carbon Monoxide	Poisons	Narcotics	Methemoglobin	Other
Ala.	-	-	-	-	-
Alaska	-	-	-	-	-
Ariz.	-	-	-	-	-
Ark.	*	*	*	*	*
Cal.	*	*	*	*	*
Colo.	-	-	-	-	-
Conn.	254	20	48	2	1,402 (i)
Del.	-	-	-	-	-
D.C.	*	*	*	*	*
Fla.	159	-	53	18	243
Ga.	-	-	-	-	-
Hawaii	-	12	362	-	16
Ida.	-	17	-	-	6
Ill.	995	61	51	4	80
Ind.	-	-	-	-	-
Ia.	-	-	-	-	-
Kans.	47	70	33	-	4
Ky.	-	-	-	-	458 (j)
La.	-	7	-	-	18
Me.	-	-	-	-	-
Md.	-	-	-	-	-
Mass.	*	*	*	*	*
Mich.	68	58	10	-	-
Minn.	-	-	-	-	-
Miss.	-	-	-	-	-
Mo.	-	4	1	-	-
Mont.	5	-	-	-	7 (k)
Nebr.	-	-	-	-	-
Nev.	-	-	-	-	-
N.H.	-	-	-	-	-
N.J.	-	-	-	-	-
N.M.	-	-	-	-	-
N.Y.	-	-	-	-	-
N.C.	-	-	-	-	-
N.D.	-	-	-	-	-
Ohio	-	-	-	-	17 (l)
Okla.	*	*	*	*	*
Ore.	*	*	*	*	*
Pa.	-	-	-	-	-
R.I.	42	1,335	-	-	2,636 (m)
S.C.	-	-	-	-	-
S.D.	*	*	-	-	*
Tenn.	-	-	-	-	-
Tex.	-	-	-	-	-
Utah	-	-	-	-	-
Vt.	90	-	-	-	-
Va.	-	-	-	-	-
Wash.	-	-	-	-	-
W. Va.	-	-	-	-	-
Wisc.	7	-	5	5	12
Wyo.	-	-	-	-	-
P.R.	-	-	-	-	-
V.I.	-	-	-	-	-

TABLE 8-49. PESTICIDES AND MISCELLANEOUS EXAMINATIONS

	Total Pesticides Specimens	Total Pesticides Examinations	Source of Pesticides Specimens:				
			Human	Animal Feed	Food Products (Incl. Milk)	Water	Other
Ala.	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-
Ariz.	2,487	2,387	-	-	2,487	-	-
Ark.	*	*	*	*	*	*	*
Cal.	*	*	*	*	*	*	*
Colo.	*	1,762	-	-	-	-	-
Conn.	-	-	-	-	-	-	-
Del.	-	-	-	-	-	-	-
D.C.	*	*	*	*	*	*	*
Fla.	1,357	26,389	1,260	97 (n)	(n)	(n)	-
Ga.	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-
Ida.	20	20	-	-	16	-	4 (o)
Ill.	*	15	*	*	*	*	-
Ind.	- (p)	-	-	-	-	-	-
Ia.	90	200	-	-	2	48	40 (q)
Kans.	22	24	6	4	8	4	-
Ky.	-	-	-	-	-	-	-
La.	295	1,239	203	-	74	18	-
Me.	24	42	-	-	-	24	-
Md.	399	*	-	-	92	307	-
Mass.	*	*	*	*	*	*	*
Mich.	641	642	638	-	-	3	-
Minn.	-	- (r)	-	-	-	-	-
Miss.	-	-	-	-	-	-	-
Mo.	*	5	*	*	*	*	*
Mont.	- (s)	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-	-
Nev.	-	-	-	-	-	-	-
N.H.	-	-	-	-	-	-	-
N.J.	1,813	1,799	1,576	3	138	96	-
N.M.	-	-	-	-	-	-	-
N.Y.	-	-	-	-	-	-	-
N.C.	-	-	-	-	-	-	-
N.D.	-	-	-	-	-	-	-
Ohio	110	110	-	-	27	83	-
Okla.	*	*	*	*	*	*	*
Ore.	*	*	*	*	*	*	*
Pa.	-	-	-	-	-	-	-
R.I.	- (t)	-	-	-	-	-	-
S.C.	-	-	-	-	-	-	-
S.D.	*	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-	-
Tex.	236	*	-	-	236	-	-
Utah	-	-	-	-	-	-	-
Vt.	-	-	-	-	-	-	-
Va.	-	-	-	-	-	-	-
Wash.	-	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-	-
P.R.	-	-	-	-	-	-	-
V.I.	-	-	-	-	-	-	-

TABLE 8-49. PESTICIDES AND MISCELLANEOUS EXAMINATIONS
(Continued)

	Pesticides Examinations:				Miscellaneous	
	Chlorinated Hydrocarbons	Organic Phosphates	Phenoxy Herbicides	Miscellaneous	Specimens	Exams
Ala.	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
Ariz.	2,387	-	-	-	-	-
Ark.	*	*	*	*	*	*
Cal.	*	*	*	*	*	*
Colo.	881	881	-	-	-	-
Conn.	-	-	-	-	-	-
Del.	-	-	-	-	-	-
D.C.	*	*	*	*	*	*
Fla.	26,389 (u)	(u)	(u)	(u)	-	-
Ga.	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Ida.	*	*	*	*	*	*
Ill.	10	5	-	-	-	-
Ind.	-	-	-	-	-	-
Ia.	145	10	30	15 (v)	-	-
Kans.	24	-	-	-	-	-
Ky.	-	-	-	-	-	-
La.	1,239	-	-	-	-	-
Me.	18	-	3	21	-	-
Md.	*	*	*	*	1,006	1,475 (w)
Mass.	*	*	*	*	*	*
Mich.	642	-	-	-	-	-
Minn.	-	-	-	-	-	-
Miss.	-	-	-	-	-	-
Mo.	5	-	-	-	-	-
Mont.	-	-	-	-	-	-
Nebr.	-	-	-	-	-	-
Nev.	-	-	-	-	-	-
N.H.	-	-	-	-	-	-
N.J.	686	85	-	1,028 (x)	*	258 (y)
N.M.	-	-	-	-	-	-
N.Y.	-	-	-	-	*	564 (z)
N.C.	-	-	-	-	-	-
N.D.	-	-	-	-	-	-
Ohio	110	-	-	-	-	-
Okla.	*	*	*	*	*	*
Ore.	*	*	*	*	-	-
Pa.	-	-	-	-	-	-
R.I.	-	-	-	-	-	-
S.C.	-	-	-	-	-	-
S.D.	*	*	*	*	*	*
Tenn.	-	-	-	-	-	-
Tex.	*	*	*	*	*	*
Utah	-	-	-	-	-	-
Vt.	-	-	-	-	-	-
Va.	-	-	-	-	-	-
Wash.	-	-	-	-	-	-
W. Va.	-	-	-	-	-	-
Wisc.	-	-	-	-	-	-
Wyo.	-	-	-	-	-	-
P.R.	-	-	-	-	-	-
V. I.	-	-	-	-	-	-

FOOTNOTES. TABLES 8-48 and 8-49.

- (a) Breath.
- (b) Performed in Laboratories at Indiana University School of Medicine.
- (c) Service of Division of Sanitary Engineering (435 specimens, 604 examinations).
- (d) Drug Chemistry Unit of Bureau of Laboratories provides analytical laboratory support to the Bureau of Consumer Protection, Environmental Health Services, Maryland State Department of Health.
- (e) Total of 1,374 tests performed by Analytical Services Laboratory, Division of Environmental Health.
- (f) All toxicologies are performed by the State Police Laboratory, Department of Law and Public Safety.
- (g) Specimens include Drugs, Food, Water, Milk, Tissues and Body Fluids.
- (h) Lead, arsenic, mercury and other metals included in one total.
- (i) In addition, Connecticut reported the following other toxicology not shown in the body of the table: alcohol, ethyl, isopropyl and methyl, 149 specimens, 149 examinations; marijuana, 550 specimens, 1,344 examinations; paint, acids, clay, sand, etc., 155 specimens, 406 examinations, gunpowder residues, 56 specimens, 98 examinations, blood and blood stains, 578 specimens, 1,343 examinations; fibers and hairs, 109 specimens, 127 examinations; seminal stains, 241 specimens, 553 examinations; other 40 specimens, 40 examinations.
- (j) Pesticides, 408; other, 50.
- (k) Alkaloids, 5; LSD, 1; Other, 1.
- (l) Fluoride, 4; silica, 13.
- (m) Includes horse racing samples.
- (n) Figure includes animal feed, food products and water.
- (o) Bats.
- (p) Performed in the Food, Drug and Dairy Laboratory: 1,132 chlorinated hydrocarbons; 3 organic phosphates.
- (q) Fish and wildlife.
- (r) Total of 120 examinations performed by Analytical Services Laboratory, Division of Environmental Health.
- (s) Legislation proposed; budgeting for this requires new legislation. Some pesticide work done in Livestock Sanitary Board Laboratories at Montana State University.
- (t) Program started July 1967.
- (u) Figure includes all examinations, not broken down by type.
- (v) Atrazine and treflan.
- (w) Bedding and Upholstery Unit provides analytical laboratory support to the Bureau of Consumer Protection, Environmental Health Services, Maryland State Department of Health.
- (x) Cholinesterase. 752; Para nitrophenols, 276.
- (y) Pollen count.
- (z) Spinal Fluid, Latex slides: H. influenzae meningitis, 276; cryptococcus meningitis, 288.