

	A	B	C	D
1	1	1	1	2
2	2	2	2	3
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	5	5	5	5
7	5	5	5	5
8	5	5	5	6
9	6	6	6	6
10	6	7	7	7
11	7	8	8	8
12	8	8	9	9
13	9	9	9	10
14	10	10	10	10
15	11	11	11	11
16	12	12	12	12
17	12	12	13	13
18	13	13	13	14
19	14	14	14	15
20	P1	P1	P1	P1
21	P1	P1	P1	P1
22	P1	P1	P1	P1
23	C	C	C	C
24	C	C	C	C
25	C	C	C	C

GENETICS  
FREEZER  
(LOWER LEFT CORNER)

	A	B	C	D
	1C	2C	3C	4C
	5C	6C	7C	8C
	9C	10C	11C	12C
	12C(6)	13C	14C	15C
ANTISERA	IIC	IIIC	IIIIC	SIC
1-3 = 4C	S2C	S3C	S4C	SSC
4-6 = 4	S6C	S7C	S8C	S9C
7 = 16	S10C	P1C	P2C	
8 = 24				
9 = 2				
10 = 26				
11 = 15				
12 = 19	1P	2P	3P	4P
13 = 11	5P	6P	8P	9P
14 = 1	9P	10P	11P	12P
15 = 5				
POOLED + HEMOLYSED SERA (COLI)				
I	S1P	S2P	S2	
	S2	S3P	S4P	
	S4	S4	S5P	
ANTIPHAGE SERA P1 = $\lambda_2$	S5	S5	S6P	
RABBIT CAMPAMENT	S6	S6	S7	
	S7	S7	S7	
	S8	S8	S9	S10
	S10	S10	S10	S10

STOCK PAVILION  
FREEZER  
(NEAR RIGHT)

### ANTISERA IN STORAGE

Ink entries = 5-10 cc quantities  
Pencil entries = 1-2 cc "

Prefixes: P = phage  
S = Salmonella  
none = coli

Suffixes: C = control  
P = Pooled trial bleeding

### Titers

S7 =  $\frac{1}{2560}$  (slide aggl)  
S10 =  $\frac{1}{320}$  ( " )  
S1-6 =  $> \frac{1}{20,480}$ .

7/2 - 7/13/53

*E. coli* typing via Kauffmann- EwingSEROTYPEAgglut. Tests.

K12	H*	O	.	K	H	O	K
wg 1	+	-	-		wg A1	bad (S)	077
11	-	-	X		42		3!
12	.				43	+4	CK
13	FG pool				44	26 (21!)	
14	.		K119?		45	+	077
15	+1,12				46	+7?	076
16	AC pool				47	+13	3(23)
17					48	(F) pool	081
18					49		X
19	+		K19?		50		
20	+7				3	-	08
21	AC pool				4	-	group C (N.E.)
22	.		X		B	-	-
23	+						
24	+9						
25	.						
26	+1						
27	.						
28	.						
29	FG pool						
30	+27						
31			-	10			
32			X	-	4	17	
33	+4?	021	5, 9, 29	X 28	5	8	
34					6	-	
35	(E) pool				7	2	
36		09	55, 9,	26, 32	8	-	
37	+26(14)	09, 18	K3	X	9	12	
38					10	8	
39	+	04 (18)	K12	X best react?	11	15	
40	+	07			10		

Legend  
 H + swarm but not agglut.  
 X tried but neg.

\* form swarms at 37°

( ) slight, secondary agglut.

EWING LINES

	H	O	K
2		17	
3		8	
4		25	
5		-	
6		-	
7		2	
8		-	
9		12	
10		8	
11			
12			
13			
14			
15			
16			

no agg. titers determined

33 H 1 types  
 124 O 5 known  
 60 K

## Fertile KK cultures

DATE: 2/50

**REF:**

$\phi$  = possible phage lysis

SRP tests of KK cultures  
= Ewing's/Knottypes 2  
of EM L505

Each tested against W1177(F-) and W1817(F+)  
on EMS mal.  
+ - refer to mal reaction.

KK #	First trial	Second trial	Comment
1	no SRPs (0)		
2	no SRPs (0)		
3	1 mal- $\bar{c}$ 1817	0	
4	no SRPs (0)		
5	no SRPs; confluent mal + on control plate		
6	no SRPs; 4+ on control plate		
7	0		
8	$\bar{c}$ 1817, ca 150 protos, ++- Many mal+ on control, 0 $\bar{c}$ 1177	$\bar{c}$ 1817 ca 200, ++-	Appears to be fertile, F-
9	0		
10	ca 100 col, ++-, on control & $\bar{c}$ 1177; 1+ $\bar{c}$ 1817	$\bar{c}$ 1817, 1-	
11	4+ $\bar{c}$ 1817	$\bar{c}$ 1817, 1-	
12	0		
13	0		
14	0		
15	Control 1+; 1177 0; 1817 10+, 8-	control 1+, 1- 1177 0 1817 1+, 2-	
16	+ & - on all plates	ca 20-30 col, +, -, on all plates	KK culture found to be mixed w respect to mal
17	$\bar{c}$ 1817, ca 60 col, +, -, v		
18	$\bar{c}$ 1817, 1+, 1-	$\bar{c}$ 1817, 2+	
19	$\bar{c}$ 1817, ca 100, ++-		Appears to be fertile, F-
20	$\bar{c}$ 1817, 3+, 6-	0	
21	0		
22	$\bar{c}$ 1817, 1+, 16-, 1v		
23	0		
24	0		
25	control, 1 <sup>st</sup> 1817, 12 v(?)	0	
26	control, 1- (?) 1817, ca 250, +, -, v.	1817 ca 200, +, -, v	$\phi$ appears to be fertile, F-

SRP tests of KK cultures

KK ♂	First trial	Second trial	Comment
27	control 1+ 1817 ca 600, +, -, v	∅	Appears to be fertile, F-
28	1817 1-	1177 i+ 1817 ca 200, all neg -	?
29	0		
30	0		
31	1817 ca 100, +, -, v	∅	Appears to be fertile, F-
32	0		
33	1817 ca 50, ++ -		Appears to be fertile, F-
34	0		
35	1817 "slow gummy, ∅ ca 200 -		Appears to be fertile, F-
36	1817 ca 500, ++ -		Appears to be fertile, F-
37	1817 1+	1817 1+	
38	1817 ca 150, ++ -	∅	Appears to be fertile, F-
39	1817 ca 1000, ++ -	∅	Appears to be fertile, F-
40	1817 ca 50, ++ -		Appears to be fertile, F-
41	control 2+		
42	0		
43	Control, smear, ++ - 1177 " 1+ 1817 ca 150, ++ -	∅ Control: several very small - 1177: 3 mil + or v 1817 ca 200, +, -, v	Probably fertile
44	0		
45	0		
46	0		
47	0		
48	1817, 2+, 7-		
49	1817 2+	0	
50	1817 1+	0	
51	0		
52	1817 1+, 1-	0	

## SRP tests of KK cultures

KK #	First trial	Second trial	Comment
53	0		
54	1817, ca 200, + + - control 1 -	control 1 + n sd 1177 0 - 1817 ca 100 -	Appears to be fertile; F - Probably fertile *
55	1817 6 +, 4 -		
56	1177 6 +	0	
56	1817 12 +		
57	1817 ca 200 +, 10 -	.	Appears to be fertile; F -
58	Control 200 +		
59	1817 1. -	0	
60	0		

		Suc	Mal	$\times 1177$	$\times 1490$	$\times 1802$	
119a	= 1051	metabolic +	-	✓			wg 24
#	115	1048	-	-	0		
	112	1045.	-	+	0		
	124	= 1053	<del>absorbs unstable</del> Lac + metabolic cells	+	0	✓	

129d	1056	-	++	-	✓	wg 25
131a	1057	+	+	0	(1)	<u>2+1-</u>
170c	1081	±	+	✓		
	1074	+			1-?	wg 26
	1080	±	+		1+1	

1063 (143a) Same as 055: B5 type

What ecological fragilities on the most types?

---

1052 121e - (143a) <sup>1063 - inconsistent reaction:</sup> Same for intact Mal - "rough" Lac unstable?

127a

135b

145a

151b

Clifton

EMS and SM

	loc	cb	mal	SM	Sue	CK	R			
1277	K 62	+	-	+	S	±	-			
1278	K 61	-	-	-	S	-	-	R		
1279	K 63	+	-	+	S	-	±	R		
1280	K 88	+	-	+	S	-	+	R		
(1281)	K 93	+	-	+	S	+g	-	R		
1282	K 99	+	-	+	S	+g	-	R		
1283	K 108	+	-	+	S	-	?	R		
1284	K 120	+	-	+	S	+g	-	R		
1285	K 122	+	-	+	S	+g	-	R		
1286	K 130	+	-	+	S	-	-	X S	5 - (?) ✓ Lac-Mal -	W-1762
1287	K 131	+g	-	+	S	+g	-	R		(synthetic, isol. 1929)
1288	K 133	+	-	+	S	-	±	R		wg 30
1289	K 135	+	-	-	S	-	-	R		
1290	K 137	+g	-	+	S	+g	-	R		
1291	K 142	+	-	+	S	-	±	R		
1292	K 146	+	-	+	S	-	-	R		
1293	K 153	+	-	+	S	-	-	R	2+	
1294	K 175	+	-	+	S	+g	-	S R	3+	
1295	K 197	+	-	-	S	-	±	R	1+	
(1296)	K 201	+	-	-	S	-	-	S R	2+, 15-	several -- ✓ <del>synthetic</del> (Solvatory minn) W-176

later, W163 x 1817 → 14+, several hundred - \*W1817

W1762 ✓ Lac-Mal- SBR recovered in checks

W1763 No yield in 1st checks 1-7-52 + 12+, no -

W1764 excess + (Control?) 1-7-52 - nothing

726, 1981

recently visited. W1763 on recheck ± control, approx. equal no. mal + on cross + control. No -.  
 W1764 on recheck - ca 500 mal + on control, confluent growth on cross.

Miller - U. of Chi.

11-30-51

all AR  
EMS and SM

	<u>loc</u>	<u>cl-</u>	<u>ave</u>	<u>ck</u>	<u>med</u>	<u>SM</u>
1297	1	(+), sl+	-	-	+	S
1298	2	+	-	-	+	S
1299	3	+	-	-	+	S
1300	4	+	-	-	+	S
1301	5	+	-	-	+	S
1302	6	+	-	-	+	S
1303	7	+	-	-	+	S
1304	8	+	-	-	+	S
1305	9	+	-	-	+	4+, 2-(?)
1306	10	+	-	-	+	2+, 2 sl
1307	11	+	-	-	+	3-9-52 cross & control gave no SPP
1308	12	+	-	-	+	
1309	13	+	-	-	+	
1310	14	+	-	-	+	
1311	15	+	-	-	+	
1312	16	+	-	-	+	
1313	17	+	-	-	+	
1314	18	+	-	-	+	
1315	19	+	-	-	+	
1316	20	+	-	-	+	
1317	21	+	-	-	+	
1318	22	+	-	-	+	
1319	23	+	-	-	+	
1320	24	+	-	-	+	
1321	25	+	-	-	+	
1322	26	+	-	-	+	
1323	27	+	-	-	+	
1324	28	+	-	-	+	
1325	29	+	-	-	+	
1326	30	+	-	-	+	
1327	31	+	-	-	+	
1328	32	+	-	-	+	plate crowded, - and sl+ nothing in second in third trial (1-7-52, 3-9-52)
1329	33	+	-	-	+	
1330	34	(+), sl+	-	-	+	
1331	35	+	-	-	+	
1332	36	+	-	-	+	
1333	37	+	-	-	+	
1334	38	+	-	-	+	
1335	39	+	-	-	+	
1336	40	+	-	-	+	
1337	41	+	-	-	+	
1338	42	+	-	-	+	
1339	43	+	-	-	+	
1340	45	sl+	-	-	+	
1341	46	sl+	-	-	+	
1342	47	sl+	-	-	+	
1343	48	sl+	-	-	+	
1344	49	sl+	-	-	+	
1345	50	sl+	-	-	+	
1346	51	sl+	-	-	+	
1347	52	sl+	-	-	+	

	<u>Miller, U. of Chi.</u>		11-30-51						
	<u>loc</u>	<u>ch</u>	<u>ave</u>	<u>ck</u>	<u>mal</u>	<u>SM</u>	<u>EMS</u>	<u>mal SM</u>	
1348	53	el+	+	-	-	S			
1349	54	el+	+	-	+	S			
1350	55	el+	+	-	+	S			
1351	56	el+	+	-	+	S			
1352	57	el+	+	-	+	S			
1353	58	el+	+	-	+	S			
1354	59	el+	+	-	+	S			
1355	60	el+	+	-	+	S			
1356	61	el+	+	-	+	S			
1357	62	el+	+	-	+	S			
1358	63	el+	+	-	+	S			
1359	64	el+	+	-	+	S			
1360	65	el+	+	-	+	S			
1361	66	+	+	-	+	S			
1362	67	el+	+	-	+	S			
1363	68	el+	+	-	+	S			
1364	69	el+	+	-	+	S			
1365	70	el+	+	-	+	S			
1366	71	el+	+	-	+	S			
1367	72	el+	+	-	+	S			
1368	73	el+	+	-	+	S			
1369	74	el+	+	-	+	S			
1370	75	+	+	-	+	S			
1371	76	+	+	-	+	S			
1372	77	+	+	-	+	S			
1373	78	+	+	-	+	S			
1374	79	+	+	-	+	S			
1375	80	el+	+	-	+	S			
1376	81	el+	+	-	+	S			
1377	82	el+	+	-	+	S			
1378	83	el+	+	-	+	S			
1379	84	el+	+	-	+	S			
1380	85	el+	+	-	+	S			
1381	86	el+	+	-	+	S			
1382	87	el+	+	-	+	S			

1396

## Benham, Chicago

12-4-51

- 1383 P-2826  
 1384 97466  
 1385 P-103312  
 1386 P-315797  
 1387 P-349584  
 1388 P-395659  
 1389 409468 U  
 1390 P-430208  
 1391 P-444266  
 1392 P-448851  
 1393 P-484064  
 1394 P-497502 (2)  
 1395 P-497502  
 1396 P-524147  
 1397 P-528421  
 1398 P-534103  
 1399 P-536140  
 1400 P-536484  
 1401 P-537830 U  
 1402 537880 U  
 1403 P-538022  
 1404 538031 U  
 1405 P-538241  
 1406 P-538268  
 1407 593345 wound  
 1408 P-539686  
 1409 Kruse throat  
 1410 loc al from 1297  
 1411 loc al from 1330

loc

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## Caten - Marguette

		<u>loc</u>	<u>cello</u>	<u>Suc</u>	<u>cr</u>	<u>mal</u>	<u>SM</u>	<u>SRP</u>	
1425	27c	+9	+9	+9	-	+	P		
1426	35f	+	+	+	+	+	S		
1427	38g	+	+	+	+	+	S		
1428	38c	+	+	+	+	+	P		
1429	38d	+	+	+	+	+	P		
1430	46f	+	+	+	+	+	S		
1431	51d	+	+	+	+	+	R		
1432	55d	+	+	+	+	+	S		
1433	55c	+	+	+	+	+	R		
1434	57d	+	+	+	+	+	S		
1435	58d	+	+	+	+	+	S		
1436	58e	+	+	+	+	+	S		
1437	58f	+	+	+	+	+	S		
1438	59f	+	+	+	+	+	S		
1439	66g	+	+	+	+	+	S		
1440	66c	+	+	+	+	+	S		
1441	66d	+	+	+	+	+	S		
1442	66e	+	+	+	+	+	S		
1443	66f	+	+	+	+	+	S		
1444	69b	+	+	+	+	+	S		
1445	84d	+	+	+	+	+	P		
1446	84g	+	+	+	+	+	P		
1447	84d	+	+	+	+	+	R		
1448	84f	+	+	+	+	+	R		
1449	85d	+	+	+	+	+	S		
1450	85c	+	+	+	+	+	S		
1451	85d	+	+	+	+	+	S		
1452	85e	+	+	+	+	+	S		
1453	86g	+	+	+	+	+	S		
1454	86e	+	+	+	+	+	S		
1455	89b	+	+	+	+	+	S		
1456	89d	+	+	+	+	+	S		
1457	89f	+	+	+	+	+	S		
1458	90c	+	+	+	+	+	S		
1459	90f	+	+	+	+	+	S		
1460	91c	+	+	+	+	+	S		
1461	91d	+	+	+	+	+	S		
1462	91e	+	+	+	+	+	S		
1463	91f	+	+	+	+	+	S		
1464	94b	+	+	+	+	+	S		
1465	94c	+	+	+	+	+	R		
1466	94d	+	+	+	+	+	R		
1467	94g	+	+	+	+	+	S		
1468	95b	+	+	+	+	+	S		
1469	95c	+	+	+	+	+	S		
1470	95f	+	+	+	+	+	S		
1471	96d	+	+	+	+	+	S		
1472	96f	+	+	+	+	+	S		
1473	98a	+	+	+	+	+	S		
1474	98g	+	+	+	+	+	S		
1475	98c	+	+	+	+	+	S		
1476	98d	+	+	+	+	+	S		
1477	98e	+	+	+	+	+	S		
1478	99a	+	+	+	+	+	S		
1479	99aa	+	+	+	+	+	S		

(questionable + form  
large, spreading light  
colored culprits - (?)

1421 - on rechecking  
(3-9-52) got apparently equal  
numbers male + females in  
worn and control. No males -.

## Cattin - Marguette

transferred?

		loc	cells	See	C/K	mol	SM	SRP	
1480	99c	(+)	+	+	+	+	S		
1481	99d	+, +	+	+	+	+	R		
1482	99e	+ (-) ??	+	+	+	+	S	13+, 1-(?)	& see opp. page
1483	100B	sl	+	+	+	+	R		
1484	100ccc	sl	+	+	+	+	R		
1485	101d	sl	+	+	+	+	R		
1486	101e	sl	+	+	+	+	R		
1487	101f	sl	+	+	+	+	R		
1488	102B	sl	+	+	+	+	R		
1489	102d	sl	+	+	+	+	R		
1490	102e	sl	+	+	+	+	S		
1491	102g	+	-	-	-	-	S		ca 200+, several -(?)
1492	103	+	-	-	-	-	R		
1493	103e	Mktg	+	+	+	+	S		15+, also background of small + colonies
1494	105a	+	+	+	+	+	S		
1495	105B	+	+	+	+	+	S		
1496	105c	+	+	+	+	+	S		
1497	105d	+	+	+	+	+	S		
1498	105e	(+) +	+	+	+	+	S		
1499	105f	+	+	+	+	+	S		
1500	106B	+, +	+	+	+	+	S		
1501	106c	+	+	+	+	+	S		
1502	106d	+	+	+	+	+	S		
1503	106e	+	+	+	+	+	S		
1504	106f	+	+	+	+	+	S		
1505	107a	+	+	+	+	+	S		
1506	107c	+	+	+	+	+	S		
1507	107d	+	+	+	+	+	S		
1508	107e	+	+	+	+	+	S		
1509	108B	+	+	+	+	+	S		
1510	108c	+	+	+	+	+	S		
1511	108d	+	+	+	+	+	S		
1512	108e	+	+	+	+	+	S		
1513	108f	+	+	+	+	+	S		
1514	109B	+	+	+	+	+	S		
1515	109c	+	+	+	+	+	S		
1516	109d	+	+	+	+	+	S		
1517	109e	+	+	+	+	+	S		
1518	110f	+	+	+	+	+	S		
1519	110c	no gr.	-	-	-	-	S		
1520	110d	+	-	-	-	-	S	4+	
1521	110e	+	-	-	-	-	S		
1522	110f	+	-	-	-	-	S		
1523	111a	+	-	-	-	-	S		
1524	111c	-	-	-	-	-	R	1+	
1525	111d	+	-	-	-	-	P		
1526	111e	-	-	-	-	-	P		
1527	111f	+	-	-	-	-	S		
1528	112ff	+	-	-	-	-	S	1-	
1529	112c	+	-	-	-	-	S	6-	
1530	112d	+	-	-	-	-	S		
1531	112e	+	-	-	-	-	S	5-	
1532	112f	+	-	-	-	-	S	5+	
1533	113f	+	-	-	-	-	S	ca 50+	
1534	113c	+	-	-	-	-	S		

(W/1817 used)

Turbid  
turbid shows plaque1-, 16- Replicated to Sae SM, 16 lac+ 1 lac-  
6- all lac+

\* One culture short between 1535 and 1537;  
missing culture provisionally assumed to be 1537 (113f) 776

Catten - Marquette

		<u>lac</u>	<u>cello</u>	<u>Suc</u>	<u>CK</u>	<u>mel</u>	<u>SM</u>	<u>SRP</u>			
1535	113d	+	-	+*	-	+	S				
1536	113e	+	-	-	-	+	S				
1537	113f	sl	-	-	-	+	S				
1538	114d	-	+	-	-	+	SS				
1539	114f	-	+	-	-	+	SS				
1540	115c	-	+	-	-	+	SS				
1541	115d	-	+	-	-	+	SS				
1542	115e	115f	115g	115h	115i	115j	115k	115l	4+, 2-	Recheck informed fertility (64, 32-)	
1543	115f	sl	+	-	-	+	S				
1544	116b	+	+	-	-	+	S				
1545	116c	+	+	-	-	+	S				
1546	116d	+	+	-	-	+	S				
1547	116e	+	+	-	-	+	S				
1548	116f	+	+	-	-	+	S				
1549	117a	+	+	-	-	+	S				
1550	117b	+	+	-	-	+	S				
1551	117c	+	+	-	-	+	S				
1552	117d	+	+	-	-	+	S				
1553	118b	+	+	-	-	+	S				
1554	118c	+	+	-	-	+	S				
1555	118d	+	+	-	-	+	S				
1556	118e	+	+	-	-	+	S				
1557	118f	+	+	-	-	+	S				
1558	119b	+	+	-	-	+	S				
1559	119c	+	+	-	-	+	S				
1560	119d	+	+	-	-	+	S				
1561	119e	+	+	-	-	+	S				
1562	119f	+	+	-	-	+	S				
1563	120a	+	+	-	-	+	SR				
1564	120b	+	+	-	-	+	SR				
1565	120d	+	+	-	-	+	SR				
1566	124c	ng	sl	-	-	+	P-S	# no-	all lac-	Rechecks confluent sp w control	
1567	125c	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1568	126b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1569	127b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1570	127c	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1571	127d	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1572	127e	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1573	128b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1574	128d	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1575	129a	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1576	129c	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1577	129e	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1578	129f	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1579	130b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1580	130c	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1581	130d	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1582	130e	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1583	131b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1584	131f	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1585	132b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1586	132c	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1587	132d	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1588	132e	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	
1589	133b	ng	sl	-	-	+	SR	# no-	all lac-	Rechecks confluent sp w control	

3 components from 1482 All three cells +

1482 a : lac +, small colonies

1482 b : lac +, large colonies

1482 c : lac +, extremely gummy

1524 pinpoint colonies - may  
be +, but too small to tell.

## Cattin - Marguerette

	<u>lac</u>	<u>cello</u>	<u>one</u>	<u>CK</u>	<u>rod</u>	<u>SM</u>	<u>SRP</u>	
1590	133c	-	±	-	+	R		
1591	133d	+	±	-	+	S		
1592	133e	+		-	+	S		
1593	133f	-		-	+	S		
1594	135-a	(+)	+al	-	+	R		
1595	135c	+		-	+	R		
1596	135d	(+)	+al	-	+	R		
1597	135-e	(+)	+al	-	+	R		
1598	135-f	+		-	+	R		
1599	137af	+MM		-	+	S	0	
1600	138d	+MM		-	+	S	1	Immune
1601	139a	+g		-	+	S	0	
1602	140b	+		-	+	S	0	
1603	140c	+MM		-	+	S	1-	lac+
1604	140d	+MM		-	+	S	0	
sl 1605	140-e	+MM		-	+	S	++/-?	Appear lac+ & lac- on replica to Slce SM
1606	140f	+MM		-	+	S	1-	lac- (?)
1607	140g	+MM		-	+	S	0	too crowded to be sure
sl 1608	140-h	+MM		-	+	S	17/20+	repeat C control
1609	141a	+g		-	+	S	1+	About same proportion lac-/lac+
1610	142a	±g		-	+	S	1-	
1611	142b	±g		-	+	S	3-	others neg.
1612	142c	±g		-	+	S	30+	all lac+
1613	143b	+		-	+	S	0	
1614	143c	+MM		-	+	S	7-	all lac+
1615	143d	n.g.		-	+	S	2-	lac+?
1616	143-e	+MM		-	+	S	0	
1617	143f	+		-	+	S	0	
1618	143-g	+MM		-	+	S	0	
1619	145b	+MM		-	+	S	7+/1-	7+/1- (?)
sl 1620	145c	+		-	+	S	10+/1-	all lac+
sl 1621	145d	+MM		-	+	S	34/6-	5 lac+; 4 failed to grow
sl 1622	145-e	+		-	+	S	14/1-	1 lac+; 1 lac-
sl 1623	145-f	+MM		-	+	S	0	
1624	145-g	+MM		-	+	S	↗	
1625	147a	+		-	+	S	↗	
1626	147d	+		-	+	S	↗	
1627	147e	+		-	+	S	↗	
1628	147f	+		-	+	S	↗	
1629	147g	+		-	+	S	↗	
1630	148a	al		-	+	S	↗	
1631	148b	al		-	+	S	↗	
1632	149a	+		-	+	S	↗	
1633	149c	+		-	+	S	↗	
1634	149d	+		-	+	S	↗	
1635	149f	+		-	+	S	↗	
1636	150c	+		-	+	S	↗	
1637	150d	+		-	+	S	↗	
1638	150e	+		-	+	S	↗	
1639	150f	+MM		-	+	S	ca 100+	
1640	150g	+MM		-	+	S	Appeared SR in cross	
1641	151d	+		-	+	S	9+, 3- (?)	
1642	151e	+		-	+	S	1+	
1643	152a	+		-	+	S		
1644	152b	+		-	+	S		

## Cattin - Marguerette

	loc	alle	sue	CK	mal	SM	SRP	
1645	153a	+	-	±	+	S		
✓1646	153c	+	-	±	+	S		
1647	153e	<del>xxxxxx</del>	+	-	+	S		
1648	153f	<del>xxxxxx</del>	+	-	+	S		
1649	153g	+	-	-	+	R		
1650	154a	+, Ad	+g	+	+	R		
1651	154e	+, Ad	+g	+	+	R		
1652	154f	m.g.	-	-	+	S		
1653	154g	+	-	-	+	S		
1654	155c	+	-	-	+	S		
1655	155d	m.g.	-	-	+	S		
1656	155e	+	-	-	+	S		
1657	155f	m.g.	-	-	+	S		
1658	155g	m.g.	-	-	+	S		
(1659)	156a	+	+g	-	+	ca 100+		
1660	156b	+	+g	-	+	R		
1661	156d	+	+g	-	+	S	1+	
1662	157b	-	+g	-	+	S		
(1663)	157c	+	+g	-	+	S	5+, 5-	
1664	158b	+	+g	-	+	S	(W 1885) strong colony; many separate	
1665	158c	+	+g	-	+	S	colonies of wgs... in white zone	
(1666)	158d	+	+g	-	+	S	711+, 20- (back)	[Wg 38]
(1667)	158e	+	+g	-	+	S	50+, 45-	[Wg 36] on red beds,
(1668)	158f	+	+g	-	+	S	5+, 9-	70+, 40-
(1669)	158g	+	+g	-	+	S	11+, 4-	
1670	159a	+al	-	-	-	R		
1671	159b	+	-	-	-	S		
1672	159c	+	-	-	-	S		
1673	161b	+	-	-	-	S		
1674	161c	+	-	-	-	S		
1675	161d	+g	-	-	-	R		
1676	161e	+	-	-	-	S		
1677	161f	+	-	-	-	S		
1678	161g	+	-	-	-	S		
(1679)	162a	+	+g	-	-	S		
(1680)	162c	+	+g	-	-	S		
(1681)	162d	+	+g	-	-	S		
1682	162e	+	+g	-	-	S		
1683	162f	+	+g	-	-	S		
1684	162g	+	+g	-	-	S		
1685	163a	+	+g	-	-	S		
1686	163c	+g	+g	-	-	S		
1687	163d	+g	+g	-	-	S		
(1688)	163e	+	+g	-	-	S		
(1689)	163f	+	+g	-	-	S		
1690	164b	+	+g	-	-	S		
1691	164c	+	+g	-	-	S		
(1692)	164d	+	+g	-	-	S		
(1693)	165b	+	+g	-	-	S		
(1694)	165c	+	+g	-	-	S		
1695	165d	+	+g	-	-	S		
(1696)	168b	+	+g	-	-	S		
1697	168c	+	+g	-	-	S		
1698	169a	+	+g	-	-	S		
(1699)	169b	+	+g	-	-	S		

large 1666, 1667 as  
diff. succ. T.O. 68, 69

2-

1+

ca 600+

ca 100-

1-

partially resistant in SRP plating

4+

[1+, 2- (?)  
18+]

[10+, 2-] [Wg 42]

ca 100 mal- or mal slow

37+, 3-

5- or slow

32+  
1+

Beckert  
1+, 1-

[WG 37]

1625 - 16<sup>64</sup>

SRP cross done on 5 mol  $\overline{3}$  SM  
by adding 1 drop regular SM  
soln to each suspension.

Strains marked \* showed  
ring of growth around  
edge of plate where  
SM was more dilute,  
though center of plate  
was clear. All such  
growth mol +

## Cotten - Marquette

		<u>lac</u>	<u>cels</u>	<u>Suc</u>	<u>CK</u>	<u>mal</u>	<u>SM</u>	<u>SRP</u>
1700	169d	+	-	+	-	+	S	75+
1701	169e	++	-	++	-	++	S	1-
1702	169f	++	-	++	-	++	S	1+
1703	169g	++	-	++	-	++	S	
1704	170a	++	-	++	-	++	S	
1705	170b	++	-	++	-	++	R	
1706	170d	++	-	++	-	++	R	
1707	171a	++	-	++	-	++	R	
1708	171c	++	-	++	-	++	R	
1709	171d	++	-	++	-	++	S	
1710	171e	++	-	++	-	++	S	
1711	172a	++	-	++	-	++	S	
1712	172c	++	-	++	-	++	S	
1713	172d	++	-	++	-	++	S	
1714	172e	++	-	++	-	++	S	
1715	172f	++	-	++	-	++	S	
1716	172g	++	-	++	-	++	S	
1717	173a	++	-	++	-	++	S	
1718	173c	++	-	++	-	++	S	
1719	173d	++	-	++	-	++	S	
1720	173da	++	-	++	-	++	S	
1721	173e	++	-	++	-	++	S	
1722	174a	++	-	++	-	++	S	
1723	174b	++	-	++	-	++	S	
1724	174c	++	-	++	-	++	S	
1725	174d	++	-	++	-	++	S	
1726	176b	++	-	++	-	++	S	
1727	176c	++	-	++	-	++	S	
1728	176d	++	-	++	-	++	S	
1729	176e	++	-	++	-	++	S	
1730	177b	++	-	++	-	++	S	
1731	177e	++	-	++	-	++	S	
1732	177f	++	-	++	-	++	S	
1733	lac+fl 1477	++	-	++	-	++	S	
1734	lac+fr 1478	++	-	++	-	++	S	
1735	lac-fr 1480	++	-	++	-	++	S	
1736	lac+d8 fr 1481	++	-	++	-	++	R	
1737	lac+fr 1482	++	-	++	-	++	S	
1738	lac+g8 fr 1498	++	-	++	-	++	S	
1739	lac+fl 1500	++	-	++	-	++	S	
1740	lac+g8 fr 1524	++	-	++	-	++	P	
1741	lac+g4 fr 1525	++	-	++	-	++	S	
1742	lac+ralph fr 1528	++	-	++	-	++	S	
1743	lac-fr 1529	++	-	++	-	++	S	
1744	lac-fr 1530	++	-	++	-	++	S	
1745	lac-fr 1531	++	-	++	-	++	S	
1746	" 1559	++	-	++	-	++	S	
1747	" 1560	++	-	++	-	++	S	
1748	" 1561	++	-	++	-	++	S	
1749	" 1562	++	-	++	-	++	S	
1750	" 1563	++	-	++	-	++	S	
1751	sl	++	-	++	-	++	S	
1752	-	++	-	++	-	++	S	
1753	-	++	-	++	-	++	S	
1754	-	++	-	++	-	++	S	
1755	5-	++	-	++	-	++	S	

		<u>lac</u>	<u>cello</u>	<u>Suc</u>	<u>C<sub>K</sub></u>	<u>mel</u>	<u>SM</u>	<u>SRP</u>	
1756	lac+ fr 1586	+?		+?	-	+	R	0	
1757	lac al fr 1594	al		+?	518?	+	R		
1758	" " 1596	al		+?	-	"?	R		
1759	" " 1597	al		+?	-	"?	R	*	
1760	lac - fr 1648	-					R		
1761	lac al fr 1650	al					R		
1762	lac al fr 1651	al					R		
1763	E. coli II Colwell	+					S	= W1939 = Wg 50	

Bacteriophage - Cefex → 9/16/53. (All have isolated).  
117) 1817.

1764	AB 05585	512.4798	+	-	-	+	R		
1765		512.750	+	+	-	-+	S		
1766		J.D. 2711	+	+	-	-	S		
1767		J.D. 6816	+	-	-	+	S	1+L+	1+L+
1768		J.D. 6882	+	-	-	+	S		
1769	AB.	1	+	-	-	+	S	2+	1+
1770	AB.	2	+	-	-	+	S		
1771	AB.	2	+	-	-	-	S		
1772	AB.	3	+	-	-	-	S		
1773	AB.	6	+	-	-	-	S		
1774	AB.	7	+	-	-	-	S		
1775	AB.	15	+	-	-	-	S		
1776	AB.	21	+	-	-	-	S		
1777	J.D.	888	+	-	-	-	S		
1778	J.D.	890	+	-	-	-	S		
1779	J.D.	905	+	-	-	-	S		
1780	J.D.	3801	+	-	-	-	S		
1781	J.D.	903	+	-	-	-	S		
1782	AB.	5	+	-	-	-	S		
1783	AB.	27	+	-	-	-	S		
1784	AB.	53	+	-	-	-	S		
1785	AB.	52	+	-	-	-	S		
1786	AB.	46	+	-	-	-	S		
1787	J.D.	50678	+	-	-	-	S		
1788	J.D.	900	+	-	-	-	S		
1789	J.D.	917	+	-	-	-	S		
1790	AB.	4	+	-	-	-	S		
1791	AB.	8	+	-	-	-	S		
1792	AB.	9	+	-	-	-	S		
1793	AB.	10	+	-	-	-	S		
1794	AB.	11	+	-	-	-	S		
1795	AB.	12	+	-	-	-	S		
1796	AB.	14	+	-	-	-	S		
1797	AB.	16	+	-	-	-	S		
1798	AB.	17	+	-	-	-	S		
1799	AB.	18	+	-	-	-	S		
1800	AB.	19	T	-	-	-	S		
		AB.	20	+	-	-	S		

16+  
~~all have~~  
~~isolated~~

~~lac-~~  
~~isolated~~  
3 ~~all~~ ~~isolated~~  
3 ~~all~~ ~~isolated~~  
3 ~~all~~ ~~isolated~~  
3 ~~all~~ ~~isolated~~

		loc	alt	line	ck	W.E.	gm	S.R.P.	11/21/80
1801	Clio 05535	BR	22	+	+	+	SSSSSSSSSS		
1802		BR	28	+	+	+	SSSSSSSSSS		
1803		BR	24	+	+	-	SSSSSSSSSS		
1804		BR	25	+	+	-	SSSSSSSSSS		
1805		BR	26	+	+	-	SSSSSSSSSS		
1806		BR	28	+	+	-	SSSSSSSSSS		
1807		BR	29	+	+	-	SSSSSSSSSS		
1808		BR	30	+	+	-	SSSSSSSSSS		
1809		BR	31	+	+	-	SSSSSSSSSS		
1810		BR	32	+	+	-	SSSSSSSSSS		
1811		BR	33	+	+	-	SSSSSSSSSS		
1812		BR	34	+	+	-	SSSSSSSSSS		
1813		BR	36	+	+	-	SSSSSSSSSS		
1814		BR	37	+	+	-	SSSSSSSSSS		
1815		BR	38	+	+	-	SSSSSSSSSS		
1816		BR	39	+	+	-	SSSSSSSSSS		
1817		BR	40	+	+	-	SSSSSSSSSS		
1818		BR	41	+	+	-	SSSSSSSSSS		
1819		BR	42	+	+	-	SSSSSSSSSS		
1820		BR	43	+	+	-	SSSSSSSSSS		
1821		BR	44	+	+	-	SSSSSSSSSS		
1822		BR	45	+	+	-	SSSSSSSSSS		
1823		BR	47	+	+	-	SSSSSSSSSS		
1824		BR	48	+	+	-	SSSSSSSSSS		
1825		BR	49	+	+	-	SSSSSSSSSS		
1826		BR	50	+	+	-	SSSSSSSSSS		
1827		BR	51	+	+	-	SSSSSSSSSS		
1828		BR	53	+	+	-	SSSSSSSSSS		
1829		BR	54	+	+	-	SSSSSSSSSS		
1830		BR	56	+	+	-	SSSSSSSSSS		
1831		BR	57	+	+	-	SSSSSSSSSS		
1832		BR	58	+	+	-	SSSSSSSSSS		
1833	<del>Clio 011134</del>	BR	59	+	+	-	SSSSSSSSSS		
1834	Clio 011134	BR	1	+	+	-	SSSSSSSSSS		
1835		BR	2	+	+	-	SSSSSSSSSS		
1836		BR	3	+	+	-	SSSSSSSSSS		
1837		BR	4	+	+	-	SSSSSSSSSS		
1838		BR	5	+	+	-	SSSSSSSSSS		
1839		BR	6	+	+	-	SSSSSSSSSS		
1840		BR	7	+	+	-	SSSSSSSSSS		
1841		JL	5344	+	+	-	SSSSSSSSSS		
1842	Clio 02636	BR	1	+	+	-	SSSSSSSSSS		
1843		BR	2	+	+	-	SSSSSSSSSS		
1844		BR	3	+	+	-	SSSSSSSSSS		
1845		BR	4	+	+	-	SSSSSSSSSS		
1846		BR	5	+	+	-	SSSSSSSSSS		
1847		BR	6	+	+	-	SSSSSSSSSS		
1848		BR	7	+	+	-	SSSSSSSSSS		
1849		BR	8	+	+	-	SSSSSSSSSS		
1850		BR	9	+	+	-	SSSSSSSSSS		

		Loc	Coll.	Spec	Circal 11/1817	608.	
1850	Col 02636	AB 10	+	-	-	3	
1852		AB 11	+	-	-	0	
1853		AB 12	+	-	-	0	
1854		AB 13	+	-	-	0	
1855		AB 14	+	-	-	0	
1856		AB 15	+	-	-	0	
1857		AB 16	+	-	-	0	
1858		AB 17	+	-	-	0	
1859		AB 18	+	-	-	0	
1860		AB 19	+	-	-	0	
1861		AB 20	+	-	-	0	
1862	Johnson	014					
3	Gwyneth	0111					
4	Habicht	011					
5	Goton	0111					
6	Zigday	053-					
7	Rosen	053					
8	Robson	053-					
9	Norman	053-					
10	Lutwood	026					
71	Rooms.	026.	+	-	-	+	
							2665 = 15656
							4+8 - each h = 177 - 1817 mm.

Zwing col<sup>i</sup> 055

O#	Zwing no.	Gel	Mol	Mol	Suc	Cells	Lec	Xyl	SmH	Sm	T <sub>1</sub> -7; P <sub>622</sub>		+1485	2	J <sub>2</sub>	1177	1817
											F-	F+					
1872	1	68.3872.50	+	+	+	-	1	4	all	S							
3	2	5624.50	+	+	+	-	n		+	S							
4	3	6556.50	+	+	+	-			+	S							
5	4	53.57	+	+	+	-			+	S							
6	5	54	+	+	+	-			+	S							
7	6	55	+	+	+	-			+	S							
8	7	56	+	+	+	-			+	S							
9	8	57	+	+	+	-			+	S							
10	9	58	+	+	+	-			+	S							
11	10	59	+	+	+	-			+	S							
12	11	60	+	+	+	-			+	S							
13	12	61	+	+	+	-			+	S							
14	13	162.	+	+	+	-			+	S							
15	14	163.	+	+	+	-			+	S							
16	15	165	+	+	+	-			+	S							
17	16	1703	+	+	+/-	-			+	R							
18	17	1704	+	+	+/-	-			+	R							
19	18	588.52	+	+	+/-	5+			+	R							
20	19	589.52	+	+	+	-			+	S							
21	20	590	+	+	+	-			↓	S							
22	21	591	+	+	+	-			+	-							
23	22	967	+	+	+	-			+	+							
24	23	5913	+	+	+	-			+	+							
25	24	5925	+	+	+	-			+	+							
26	25	5926	+	+	+	-			+	+							

= 2691 = 265) o+ 11/5 - ✓ -

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## Luria broth O111

	O#	Strain #	2 type T	2	3	4	5	6	7	pH 6.2	lac	ace	glu	gal	mal	xylo	cello	sm	x1177	P-	P+	
1897	26	805.50#67	all T <sup>R</sup>	+	-	-	-	-	-		S	S	S	S	S	S	S	S	0	0	0	
8	27	806.50#72			+	-	-	-	-		S	S	S	S	S	S	S	S	0	0	0	
9	28	807.50#82				+	-	-	-		S	S	S	S	S	S	S	S	26+	34+	✓	
1500	29	808.50#95					+	-	-		S	S	S	S	S	S	S	S	1+	0		
1	30	1332.50	+ (4905)					+	-		S	S	S	S	S	S	S	S	+	+	✓	
2	31	1333						+	-		S	S	S	S	S	S	S	S	0	0		
3	32	1334							-		S	S	S	S	S	S	S	S	0	0		
4	33	1594									S	S	S	S	S	S	S	S	0	0		
5	34	5267									S	S	S	S	S	S	S	S	0	0		
6	35	5268 or 81									S	S	S	S	S	S	S	S	0	0		
7	36	5498									S	S	S	S	S	S	S	S	0	0		
8	37	5499									S	S	S	S	S	S	S	S	0	0		
9	38	5500	+ 1485								S	S	S	S	S	S	S	S	0	0		
10	39	5501									S	S	S	S	S	S	S	S	0	0		
11	40	5623									S	S	S	S	S	S	S	S	0	0		
12	41	5690									S	S	S	S	S	S	S	S	1-	0		
13	42	5918									S	S	S	S	S	S	S	S	0	0		
14	43	5919									S	S	S	S	S	S	S	S	0	0		
15	44	6170 date 2									S	S	S	S	S	S	S	S	0	0		
16	45	6171									S	S	S	S	S	S	S	S	0	0		
17	46	6172									S	S	S	S	S	S	S	S	0	0		
18	47	6238									S	S	S	S	S	S	S	S	1+	0		
19	48	6239									S	S	S	S	S	S	S	S	6	1+		
20	49	6240									S	S	S	S	S	S	S	S				
21	50	6241									S	S	S	S	S	S	S	S				
22	51	6338									S	S	S	S	S	S	S	S				
23	52	1795.51									S	S	S	S	S	S	S	S				
24	53	2092.57									S	S	S	S	S	S	S	S				
25	54	585.52									S	S	S	S	S	S	S	S				
26	55	587									S	S	S	S	S	S	S	S				
27	56	588	+ 1485								S	S	S	S	S	S	S	S				
28	57	718									S	S	S	S	S	S	S	S				
29	58	719									S	S	S	S	S	S	S	S				
30	59	3546									S	S	S	S	S	S	S	S	2+	0	0	
31	60	4957									S	S	S	S	S	S	S	S				
2	61	5927									S	S	S	S	S	S	S	S				
32	62	152651									S	S	S	S	S	S	S	S				
		5281	wrong																			

Plated on SM  
 O29 3 Hal+  
 O25 8 Hal-  
 O51 0

Ewing Celi from (redacted) traces. 5/53.

All  $\lambda$ ,  $\lambda_2$ ,  $T_1$  -  $T_7$  exist.

	Ewing#	Lac.	Cello	Suc	Nal	Hpl.	Xyl	575 loc. SN.	112	18D
1933	586-52, OSS BS-H6 (eporadic N'km).	+	-	+	-	-	+	S	0	0
4	589-52	"							0	0
5	590-52	"							0	0
6	591-52	"							0	0
7	3320-54	"	(Sporadic Chi).						0	0
8	3321-54	053 BS-H10	"	"					0	0
9	3701-54	053 BS-H-	"	"					0	0
40	3710-54	0535 H-	"	"					0	0
1941	121-53, 011134 H- (Outbreak Fla)							R	—	—
2	124-53	"						R	—	—
3	128-53	"						R	—	—
4	4869-54	"	(Outbreak, PD.)					S	0	0
5	4870-54	"						S	0	0
6	3714-54	"	(Sporadic Chi).					R	—	—

Note 10/56. By this series, 589-52 is not futile. (771-1934). y.

776-1890

Cultures from Karakasevic  
(Yugoslavia)

7/55 DCG

776-

- |      |  |
|------|--|
| 1947 | 82 (O <sub>III</sub> -B <sub>4</sub> )     |
| 48   | 96 (O <sub>III</sub> -B <sub>4</sub> )     |
| 49   | 30 R (O <sub>III</sub> -B <sub>4</sub> )   |
| 50   | V57 (O <sub>III</sub> -B <sub>4</sub> )    |
| 51   | C 173 (O <sub>III</sub> -B <sub>4</sub> )  |
| 52   | 64 (O <sub>SS</sub> -B <sub>5</sub> )      |
| 53   | Dd 13 (O <sub>SS</sub> -B <sub>5</sub> )   |
| 54   | 92 (O <sub>III</sub> -B <sub>4</sub> )     |
| 55   | 93 (O <sub>III</sub> -B <sub>4</sub> )     |
| 56   | 1015 (O <sub>III</sub> -B <sub>4</sub> )   |
| 57   | Dc 173 (O <sub>III</sub> -B <sub>4</sub> ) |
| 58   | 21 (O <sub>SS</sub> -B <sub>5</sub> )      |
| 59   | Dav 39 (O <sub>SS</sub> -B <sub>5</sub> )  |
| 60   | Dc 99 (O <sub>26</sub> -B <sub>6</sub> )   |
| 61   | C 76 (O <sub>III</sub> -B <sub>6</sub> )   |
| 62   | r 26 (O <sub>SS</sub> -B <sub>5</sub> )    |
| 63   | 1064 (O <sub>SS</sub> -B <sub>5</sub> )    |
| 64   | 30 wf (O <sub>III</sub> -B <sub>4</sub> )  |
| 65   | V97 4 (O <sub>26</sub> -B <sub>6</sub> )   |
| 66   | V101 (O <sub>SS</sub> -B <sub>5</sub> )    |
| 67   | 96 (O <sub>26</sub> -B <sub>6</sub> )      |
| 68   | V16 (O <sub>26</sub> -B <sub>6</sub> )     |
| 69   | 47 (O <sub>III</sub> -B <sub>4</sub> )     |

AUG 17 1955

1/ Drosophil

x 1177 (F-) x 1817 (Fr)

1970 1064 = ~~055~~ 055 B5 H6

1972 972 "

0 0

~~1972~~ 1971 Stolee P

" "

0 2/13  
2000 (cont'd)

1973 Stolee W

O III B4 -

0 0

1974 abudem 4

O III B4 -

0 0

1975 Anna P

O III B4 -

1/2 me and control

1976 416 OCT 12 1955

O III: B4: H2

0 0

1977 1064 bac + Malt

{ see letter

1978 1064 bac + Malt {

July 8, 1955. Resume

SRP tests on named cultures.

① *Fredenburg* series = 776-96-108 (xW1177) 2 kept as wgs 9, 10  
W1377, 1395-97 xW1177

11/17/50 B/6 W1362 W1376 W1113

11/15/51 Evening

? nine 82 species, other strains  
(W1028 etc.) were tested?

for first 1500, mostly only 1177  
as parent.

E.M.L. Aug. 1956.

Summary of Serotyping. wg series 1-50  
inclusive.

Feb. 1953. ~~Septemb~~ Septx

note:

strains omitted from table below were self agglutinable either before or after boiling or were unstable. H typing wherever it was possible to motilize the bacteria. Only in O neg. strains could K reading be obtained, during the interval that the typing was attempted. Method summarized in raw data. Special emphasis on wg not done before by Ewing, or by Skaar.

Some reaction s only up to group.

1. O - H + (new group)
3. H - (skaar); O = 8
4. " " ) O - C + H group. K present.
11. ?
12. ) O-
13. morphol. rough . H: 13 + group F.
14. O-
15. H: A + C. O= 1 (12)
16. H= A + C
- 17 H- skaar. confirmed
- 18 " " "
- 19 " " ". O -. K 19
20. H: B run down to H 7.
- 23 O-
- 25 H = 4
- 26 H = 1
- 27 H - Skaar
- 28 O-
- 29 H = G, F, G. O- 0-
- 30 H = F. ) ) O = 27
- 31 H- skaar. O-
- 32 O-
- 33 H group A. 4?. O (4.)
- 35 H " E. O 21
- 36 H : A + C. O 9
- 37 2 types: H- O 4, 18. O+K+. H H D,F,G (A)
- 39 O = 4 (18)
- 40 O - 7
- 41 H: G, but late. O± = 77
43. H: 4, G, F,
- 44 H; C, E, F. O 26 (21)
- 45 O - 77
- 46 H+ 7? O- 76
- 47 H= 13, O- K 3 (23)
- 48 H: F O - 81
- 49 rough

O 124 H-20 polyv  
21-20 single  
5 titration series

K 60 no pools

7 32 → 1 polyvalent  
sera  
5 each