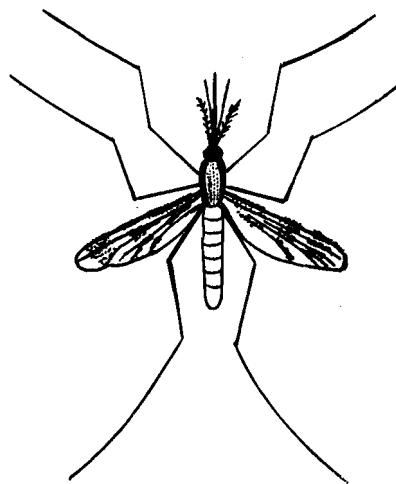


5TH PREVENTIVE MEDICINE UNIT

65TH MEDICAL GROUP, FASCOM



ANNUAL MOSQUITO REPORT — 1967

WITH SUMMARY OF SIX-YEAR MOSQUITO SURVEY

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MOSQUITO REPORT 1967

INTRODUCTION

This year's mosquito report attempts to give a clearer picture of mosquito populations in Korea by summarizing data since 1962. The mosquito survey began in 1959 and by 1962 the survey pattern used presently was established. The 1967 mosquito survey was conducted from April to October.

Mosquitoes and Diseases: During 1967 more mosquitoes were collected than any year previous. The most abundant mosquito was Anopheles sinensis, the malaria vector. The number of Korean cases of Malaria was the highest since 1963, however the U.S. Forces Korea (USFK) recorded only one case of indigenous malaria. Anopheles sinensis accounted for more than 39 per cent of all mosquitoes collected during 1967 while 31 per cent is the 6-year average. This increase in malaria vectors may have been the cause of the increased number of malaria cases.

A heavy outbreak of Japanese B Encephalitis was expected during 1967 but fewer cases were reported than during the previous year. This upset the 3-year cycle theory used to try and predict the disease incidence. Culex tritaeniorhyncus, the vector associated with this encephalitis, had an increased percentage (5 per cent) of the total mosquitoes above 4 per cent for the 6-year average. However Culex pipiens, which is sometimes mentioned as a potential vector of Japanese B Encephalitis, accounted for

22 percent of the total mosquitoes collected but this percentage was down from the 30 per cent found for the 6-year average.

For the most part, Korea was hotter and dryer than normal during 1967, however more than usual precipitation during June and July produced the bumper crop of mosquitoes.

Methods and Procedures: A map to the mosquito light trap sites is provided to locate the traps within any area of concern. Also a summary of medically important mosquito collections from each trap site is given to aid in the identification of local mosquito problems. Graphs and charts will be used to present data most vital to vector control personnel.

Since the survey was initiated in 1959, standard New Jersey light traps have been used. This trap captures flying insects which are attracted to its light source. Light traps were placed at military installations and whenever possible these traps were attached to the security lighting systems. When this was not possible, timers were wired to the traps in order to turn them on and off at dusk and dawn respectively.

Data Problems: Unfortunately data over the past 6 years have not been consistently collected. Mosquito collections were sent from the trap sites without information on the number of nights the collections represented. This seriously hampered attempts to compile the data. Previous reports refer to the average number of mosquitoes per collection, but this unit of measure is deceiving because the collection periods varied. Therefore year to year and

trap to trap comparisons are not objective. Attempts are being made to improve data collection and correct this deficiency.

Acknowledgments: The combined efforts of numerous individuals located throughout South Korea made this report possible. Due to the large number of people involved only a few can be cited here: Captain James M. Neely and Captain George L. Geis, Commanding Officers of the 5th Preventive Medicine Unit; Captain David L. Kimbell, former Laboratory Officer who was also Commanding Officer for a short while; the enlisted men of the 5th Preventive Medicine Unit and the personnel who sent specimens to the laboratory from the light traps in their respective areas.

Finally, a special word of thanks is deserved by the civilian entomologists of the Survey Section who, have provided the taxonomic determinations: Mr. Chong Chun-sik, Mr. Yu Hyo-sok, Mrs. Cho Hu-cha, and Mrs. Chu Hong-ae. Mr. Han Man-su did most of the calculation for this years report.



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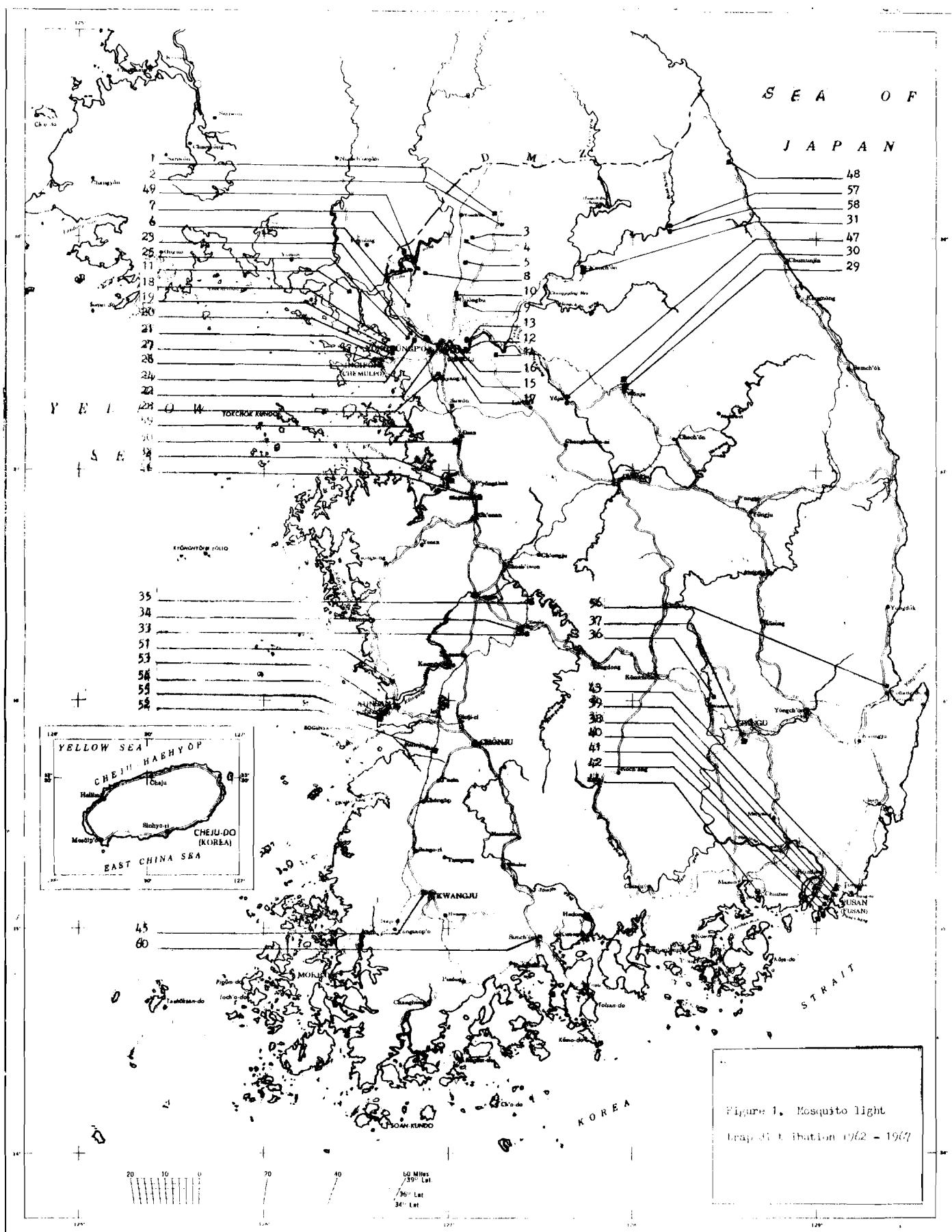


Figure 1. Mosquito light
Trap distribution 1962 - 1967

Table 1. Monthly catches of all mosquitoes

Month	1962	1963	1964	1965	1966	1967	6-year total	6-year average
MARCH		3			55		58	9.7
APRIL	104	162	242	54	204	100	866	144.3
MAY	3914	3952	4393	2567	8481	9610	32917	5486.2
JUNE	23416	28810	42858	27856	55142	71420	249502	41583.7
JULY	80643	37438	119392	84703	63336	128621	514133	85688.8
AUG	57535	36862	36978	42173	18732	108807	301087	50181.2
SEPT	47258	67744	15414	31571	14573	28333	204893	34148.8
OCT	14876	9339	4672	20232	7877	4594	61590	10265.0
NOV	1577						1577	262.8
TOTAL	229323	184310	223949	209156	168400	351485	1366623	227770.5

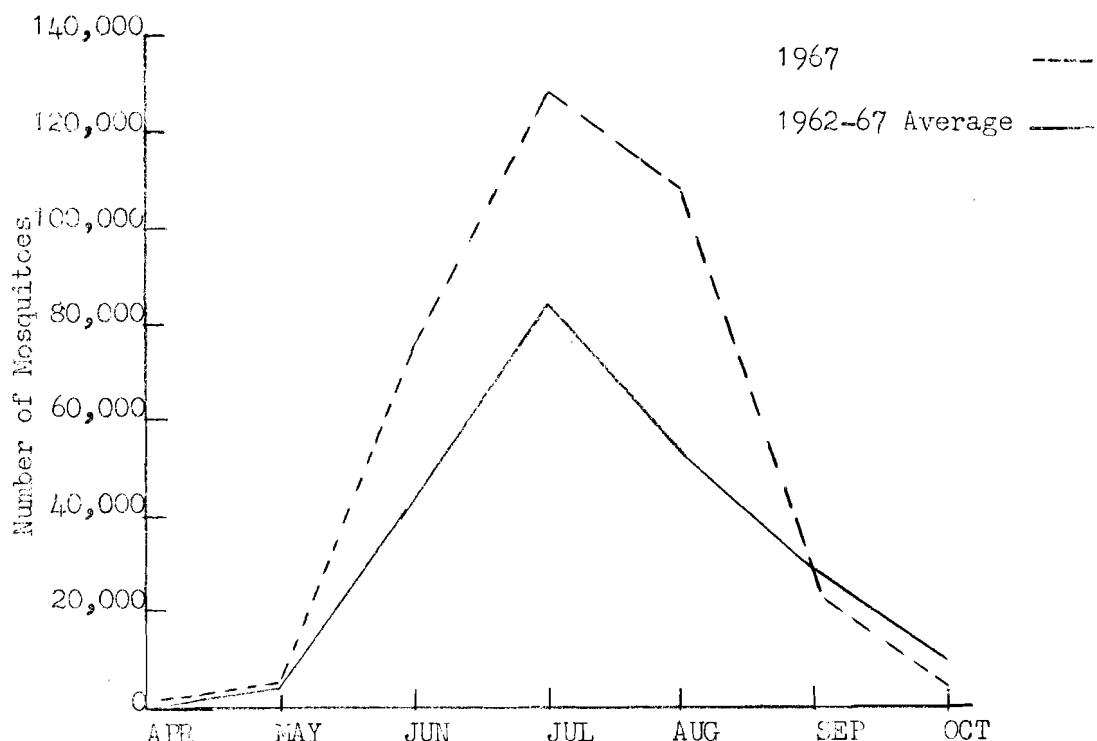


Figure 2. Total mosquitoes collected per month

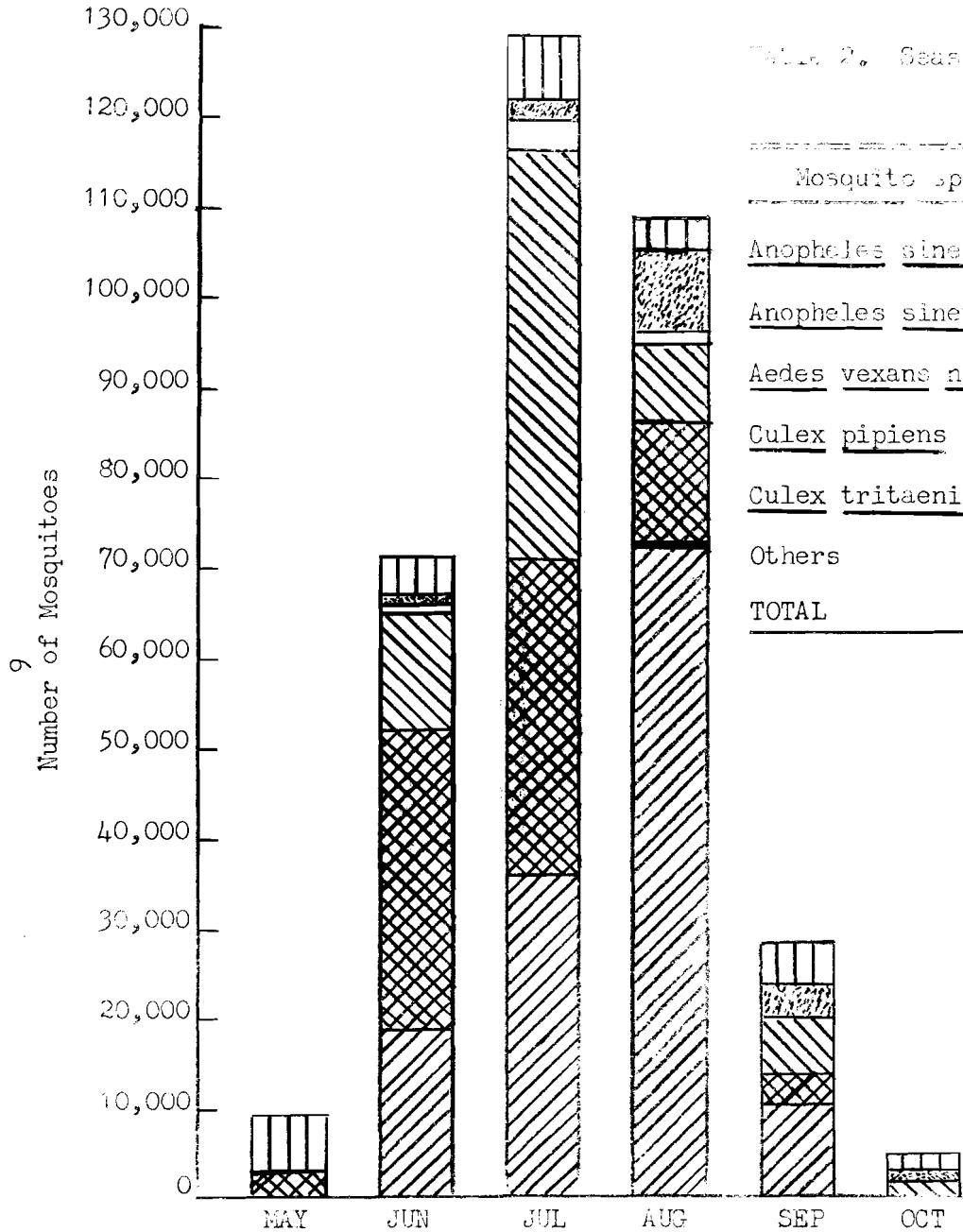


Table 2. Seasonal distribution of adult mosquitoes during 1967

Mosquito species	Apr	May	Jun	Jul	Aug	Sep	Oct
<u>Anopheles sinensis</u>	27	461	18828	36053	72716	11553	164
<u>Anopheles sineroides</u>		38	1181	4539	1166	241	11
<u>Aedes vexans nipponii</u>	17	2846	34492	35130	14848	4851	561
<u>Culex pipiens</u>	33	298	13162	46031	9451	6802	2564
<u>Culex tritaeniorhynchus</u>		2	507	3817	9610	3509	854
Others	23	5965	3250	3001	302	1377	169
TOTAL	100	9610	71420	128621	108807	28333	4594

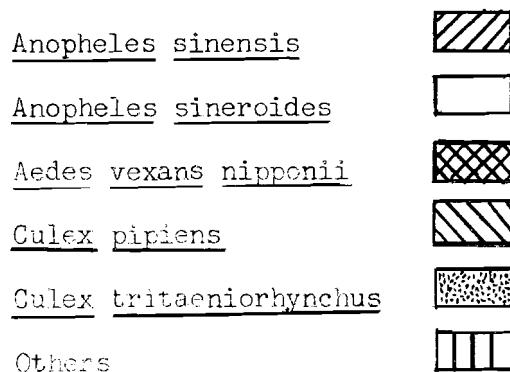


Figure 3. Seasonal distribution of adult mosquitoes during 1967

Table 3. Mosquito collection (1967) compared with 6-year average

Mosquito species	1967 total	Per cent of 1967 total	1962-67 average	Per cent of average
GENUS ANOPHELES				
Anopheles japonicus			0.33	0.00
Anopheles koreicus			0.33	0.00
Anopheles lesteri	31	0.01	5.16	0.00
Anopheles pullus	13	0.00	364.66	0.16
Anopheles sinensis	139802	39.77	70911.50	31.16
Anopheles sinerooides	7176	2.04	2414.33	1.06
Anopheles yatsushiroensis	5	0.00	0.83	0.00
GENUS AEDES				
Aedes albopictus	1	0.00	0.66	0.00
Aedes chemulpoensis			0.66	0.00
Aedes dorsalis	1501	0.43	508.16	0.22
Aedes esoensis	2	0.00	1.16	0.00
Aedes flavopictus			2.16	0.00
Aedes hatorii	1	0.00	19.33	0.01
Aedes japonicus			0.50	0.00
Aedes koreicus			1.16	0.00
Aedes lineatopennis	16	0.01	73.66	0.03
Aedes nipponicus			0.66	0.00
Aedes togoi			1.16	0.00
Aedes vexans nipponii	92745	26.37	61094.83	26.35
GENUS CULEX				
Culex bitaeniorhynchus	911	0.26	1406.00	0.62
Culex bayashii			4.00	0.00
Culex mimeticus			5.50	0.00
Culex orientalis	3211	0.91	3213.00	1.41
Culex pipiens	78341	22.28	69370.33	30.70
Culex rubensis			0.50	0.00
Culex sinensis			26.16	0.01
Culex tritaeniorhynchus	18299	5.22	8977.00	3.94
Culex vagans	8319	2.37	4154.00	1.84
Culex vishnui			14.83	0.01
Culex vorax			0.33	0.00
Culex whitmorei	1110	0.32	4462.50	1.96
MISCELLANEOUS GENERA				
Armigerae subalbatus	1	0.00	1.00	0.00
Mansonia uniformis			0.16	0.00
Tripteroides bambusa			1.16	0.00
TOTAL	251485	99.99	227573.80	99.98

Table 4. Yearly catches of mosquito species

Mosquito species	1962	1963	1964	1965	1966	1967	6-year total	6-year average
Anopheles japonicus				1	1		2	0.33
Anopheles koreicus				1	1		2	0.33
Anopheles lesteri						31	31	5.16
Anopheles pullus	470	955	177	531	42	13	2188	364.66
Anopheles sinensis	63247	56268	98782	48656	18714	139802	4251.69	70911.50
Anopheles sinerooides	843	1433	2706	1266	1057	7176	14486	2414.33
Anopheles yatsushiroensis						5	5	0.83
Aedes albopictus	1	2				1	4	0.66
Aedes chemulpoensis			2		2		4	0.66
Aedes dorsalis	63	737	420	249	79	1501	3049	508.16
Aedes esoensis		2	3			2	7	1.16
Aedes flavonictus		2		11			13	2.16
Aedes hatorii	2	2		111		1	116	19.33
Aedes japonicus	1	1	1				3	0.50
Aedes koreicus	2	5					7	1.16
Aedes lineatopennis	16	78	328	4		16	442	73.66
Aedes nipponicus	1			3			4	0.66
Aedes togoi	1		6				7	1.16
Aedes vexans nipponii	45152	39676	52895	44202	91899	92745	366569	61094.83
Culex bitaeniorhynchus	2790	1415	1523	1002	795	911	8436	1406.00
Culex hayashii				24			24	4.00
Culex mimeticus	29	3	1				33	5.50
Culex orientalis	4094	2114	2653	4397	2809	3211	19278	3213.00
Culex pipiens	76256	73939	55198	96807	38681	78341	419222	69870.33
Culex rubensis	2	1					3	0.50
Culex sinensis	138		1				157	26.16
Culex tritaeniorhynchus	16617	1553	6236	6148	18	18299	53862	8977.00
Culex vagans	5048	83	276	3807	5009	8319	25104	4184.00
Culex vishnui			88		7571		89	14.83
Culex vorax	1		1		1		2	0.33
Culex whitmorei	14603	6041	2652	2085			26811	4468.50
Armigeres subalbatus	5				320	1110	6	1.00
Mansonia uniformis	1					1	1	0.16
Tripteroides bambusa				5	2		7	1.16
TOTAL	229388	184310	223949	209310	167001	351485	1365443	227573.71

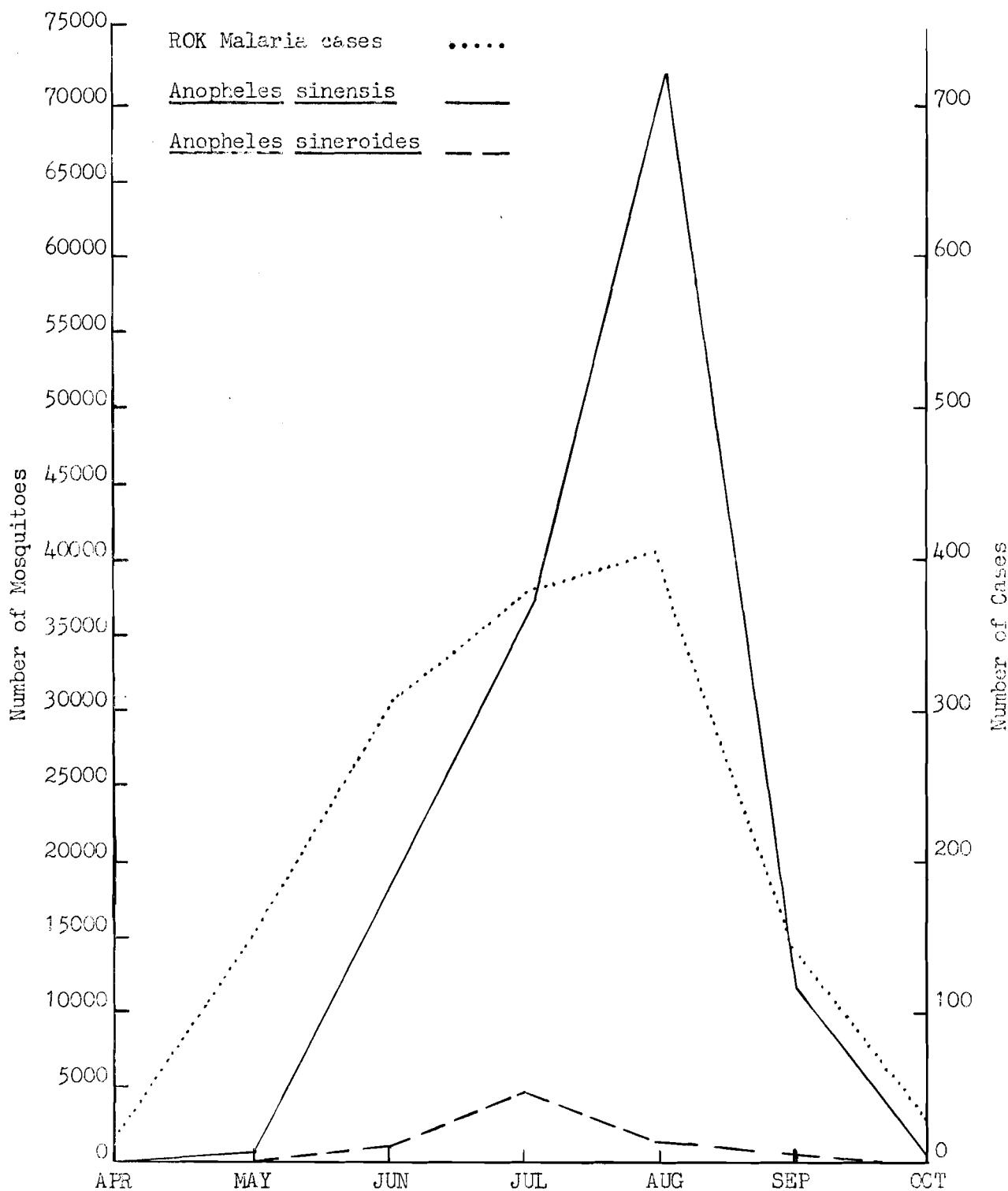


Figure 4. Malaria and related vectors during 1967

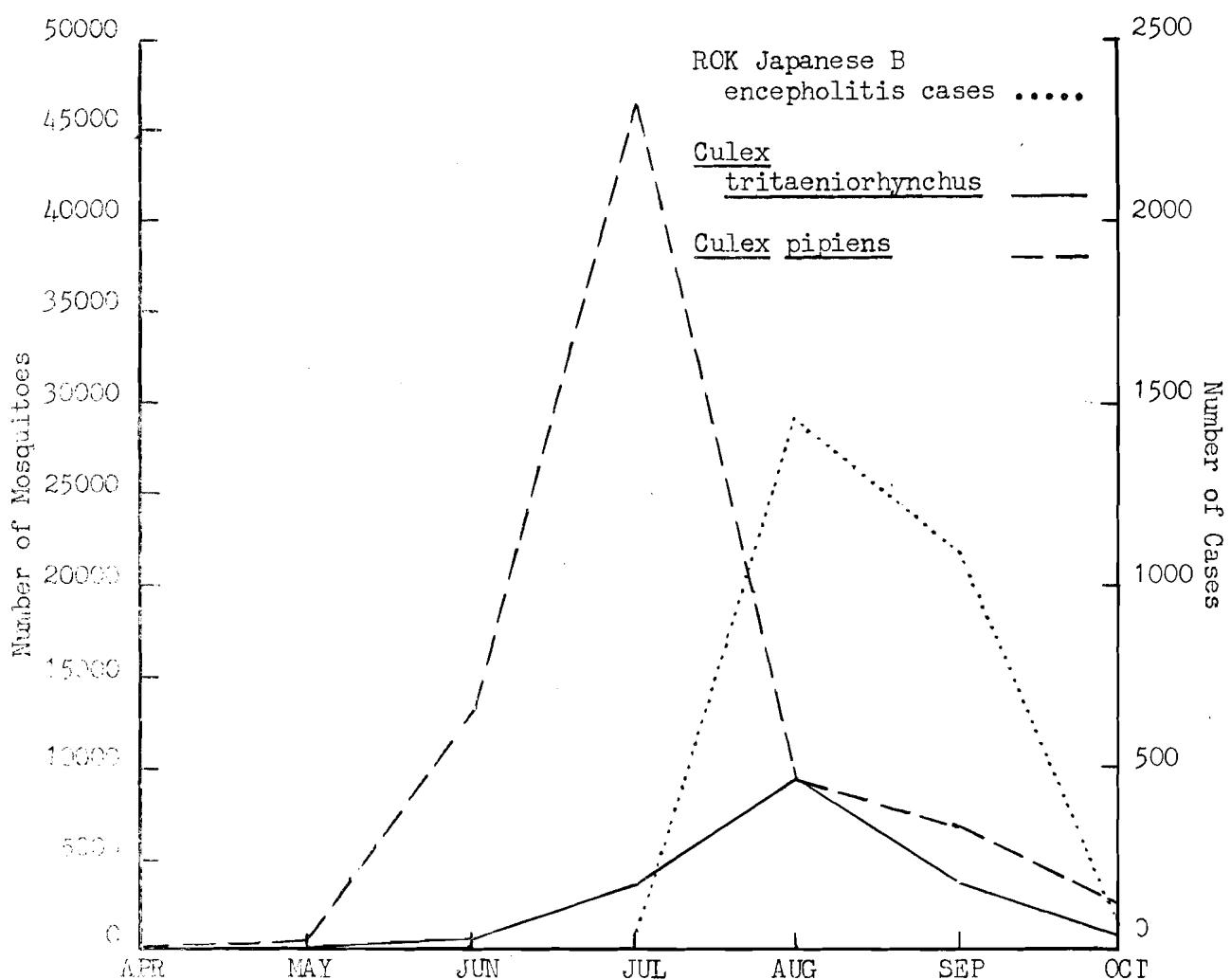


Figure 5. Japanese B encephalitis and related vectors during 1967

Table 5. Mean temperature data on eight meteorological stations*

Month	1967 Average	Normal	Difference from normal
Jan	-2.5 c	-2.0 c	-0.5 c
Feb	-0.5	+0.1	-0.6
Mar	+6.2	+5.1	+1.1
Apr	+12.0	+11.3	+0.7
May	+18.9	+16.5	+2.4
Jun	+21.3	+20.6	+0.7
Jul	+25.1	+24.4	+0.7
Aug	+27.3	+25.3	+2.0
Sep	+20.5	+20.5	0.0
Oct	+14.8	+14.3	+0.5
Nov	+7.7	+8.0	-0.3
Dec	-2.4	+1.2	-3.6

Table 6. Mean precipitation data based on eight meteorological stations*

Month	1967 Average	Normal	Difference from normal
Jan	+40.5 mm	+23.8 mm	+16.7 mm
Feb	+36.6	+34.9	+1.7
Mar	+66.1	+60.1	+5.9
Apr	+93.9	+75.4	+18.5
May	+43.3	+85.1	-41.8
Jun	+135.3	+120.2	+15.1
Jul	+197.8	+137.5	+60.3
Aug	+123.1	+188.2	-65.1
Sep	+157.9	+168.1	-10.1
Oct	+46.6	+56.7	-10.1
Nov	+75.3	+46.9	+28.4
Dec	+8.2	+34.6	-26.4

* Eight meteorological stations represent Chunchon, Kangnung, Seoul, Inchon, Taegu, Kwangju, Pohang, Pusan from which normal was tabulated

T-1. Motor Pool Maintenance building (T5352), Subpost Engineer Compound, Camp Kaiser, W of Unchon-Ni, Yongbung Myong, Fochon Kun, Kyonggi Province, 7th Division Area. Collections and Control: I & R, Subpost Engineer, Camp Kaiser, APO 96207. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	1029	528	107	1744	533	11	3952
<u>Anopheles sinuroides</u>	17				4		21
<u>Aedes vexans nipponii</u>	205	446	236	3262	2254	23	6426
<u>Culex pipiens pallens</u>	497	295	33	1202	498	4	2529
<u>Culex tritaeniorhynchus</u>	17	8		96	201		322
TOTAL	1765	1277	376	6304	3490	38	13250
No. collections received	86	97	49	62	63	49	406
No. months sampled	6	5	3	7	7	6	34

T-2. Aid Station (T5258), Royal Thai Company, Thai Compound, E of Unchon-Ni; Fochon Kun, Kyonggi Province, 7th Infantry Division Area. Collector: Royal Thai Aid Station, APO 96206. Control: I & R, Subpost Engineer, Camp Kaiser, APO 96207.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	1084	349	139	337			1909
<u>Anopheles sinuroides</u>	42		1	4			47
<u>Aedes vexans nipponii</u>	271	72	196	1404			1943
<u>Culex pipiens pallens</u>	381	133	90	831			1435
<u>Culex tritaeniorhynchus</u>	24		9	27			60
TOTAL	1802	554	435	2603			5394
No. collections received	26	14	17	23			80
No. months sampled	5	4	4	5			18

T-3. Barracks, Medical Section (1218), HQ Btry, 25th Arty Bn (Obs), I Corps, Camp St. Barbara, Chongsan-Ni, Pochon Kun, Kyonggi Province, 7th Inf Div Area. Collector: Med Section, HQ Btry 25th Arty Bn (Obs), I Corps, Camp St. Barbara, APC 96207. Control: I & R, Vinnel Corp, Fort Beavers, APC 96207. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	194	539	99	298		30	1160
<u>Anopheles sinereoides</u>	51	68	9				128
<u>Aedes vexans nipponii</u>	126	142	48	90		92	498
<u>Culex pipiens pallens</u>	183	638	69	86		2	978
<u>Culex tritaeniorhynchus</u>	30	8		22			60
TOTAL	584	1395	225	496		124	2824
No. collections received	44	70	14	3		3	134
No. months sampled	6	6	4	3		2	21

T-4. Aid Station (T4543), HQ Co. 2nd Med TK BN, 40th Armed Div, 7th Inf Div, Fort Beavers, Chaijon-Ni, Chongsan Myon, Pochon Kun, Kyonggi Province. Collector: Aid Station, HQ Co. 2nd Med Tk Bn, 40th Armed Div, 7th Inf Div Area, Fort Beavers, APC 96207. Control: I & R, Vinnel Corps, Fort Beavers, APO 96207. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	641	718	1010		112	825	3306
<u>Anopheles sinereoides</u>	2	6	18	3	3	25	54
<u>Aedes vexans nipponii</u>	257	50	449		681	6375	7812
<u>Culex pipiens pallens</u>	426	80	414	2	141	1394	3155
<u>Culex tritaeniorhynchus</u>	15	11	7		11	262	306
TOTAL	1341	865	1898	5	948	8881	13933
No. collections received	51	57	53	4	9	47	217
No. months sampled	6	7	5	2	4	6	28

T-5. Guard Post No. 1, Behind 'C' Co Mess Hall, E of Camp Casey, Tong-du Chon-Ni, Yan-ju Kun, Kyonggi Province, 7th Inf Div Area. Collector: Vector Control NCO, HQ Co, 127th Sig Bn, Camp Casey APO 96207. Control: I & R, Post Engineer, Camp Casey, APO 96207. Security Lights.

Species	Total 1962	Total 1963	1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	566	25		38	111	1011	1751
<u>Anopheles sinereoides</u>	23			3	2	116	144
<u>Aedes vexans nipponii</u>	253	15		46	576	629	1519
<u>Culex pipiens pallens</u>	442	51		32	59	202	786
<u>Culex tritaeniorhynchus</u>	17				7	50	74
TOTAL	1301	91		119	755	2008	4274
No. collections received	76	7	6	7	32	21	149
No. months sampled	6	2	2	4	5	4	23

T-6. Parade Ground, next to NCO Club 'The Sutlers', Camp Howze, Bongilchon-Ni, Paju Kur, Kyonggi Province, 2nd Inf Div Area. Collector: Dispensary, Camp Howze, APO 96224. Control: Entomology Services, R & U Det, Munsan-Ni, APO 96224. Security Lights.

Species	Total 1962	Total 1963	1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	983	12		76		1223	2294
<u>Anopheles sinereoides</u>	32					132	164
<u>Aedes vexans nipponii</u>	624	33		16		4817	5490
<u>Culex pipiens pallens</u>	1476	11		15		386	1888
<u>Culex tritaeniorhynchus</u>	66			21		96	183
TOTAL	3181	56		128		6654	10019
No. collections received	44	2		4		54	104
No. months sampled	6	1		1		6	14

T-7. Dispensary (T-7), HQ Troops, 1st Recon Sq, 9th Cav Div, Freedom Gate Bridge on the Imjin River near Tokae, W of Munsan-Ni, Kyonggi Province. Collector: Dispensary, HQ Troops, 1st Recon Sq, 9th Cav Div, APO 96224. Control: Vector Control NCO, HQ Troops, 1st Recon Sq, 9th Cav Div, AFC 96224. Tel: Dayton. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	4308	156	5106	321	53	4643	14587
<u>Anopheles sinereoides</u>	258		268	3		163	692
<u>Aedes vexans nipponii</u>	903	358	1379	81	69	1642	4432
<u>Culex pipiens pallens</u>	1183	57	839	376	11	264	2735
<u>Culex tritaeniorhynchus</u>	347	1	251	38	2	334	973
TOTAL	7004	572	7843	819	135	7046	23419
No. collections received	56	21	28	5	5	16	131
No. months sampled	5	5	5	3	4	3	25

T-8. Orderly Room (T-21), Co B (CLR), 15th Med BN, Camp Irwin, Bob-Won-Ni, Paju Kun, Kyonggi Province, 2nd Inf Div Area. Collector: Dispensary, Camp Irwin, APO 96224. Control: R & U Post Engineer, Camp Irwin, AFC 96224. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	115	36		298		942	1391
<u>Anopheles sinereoides</u>				1		18	19
<u>Aedes vexans nipponii</u>	19	2		403		3423	3847
<u>Culex pipiens pallens</u>	68	20		433		1041	1562
<u>Culex tritaeniorhynchus</u>	11			45		53	109
TOTAL	213	58		1180		5477	6928
No. collections received	9	8		29		11	57
No. months sampled	3	3		3		4	13

T-9. Ration breakdown (S2457), 11th Engineer Bn Motor Pool, Camp Stanley, Songsan-Ni, Kyonggi Province, I Corps Rear Area. Collector: Dispensary, 11th Engineer Bn, Camp Stanley, APO 96358. Control: I & R, Vinnel Corps APO 96358. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	272	84		6060		1613	8029
<u>Anopheles sinerooides</u>		2		157		80	239
<u>Aedes vexans nipponii</u>	192			1962		3972	6126
<u>Culex pipiens pallens</u>	229	1		2837		1774	4841
<u>Culex tritaeniorhynchus</u>	53			453		608	1114
TOTAL	746	87		11469		8047	20349
No. collections received	119	1		53		74	247
No. months sampled	6	1		7		7	21

T-10. Near S277 at driving range, Camp Red Cloud, Uijonbu, Kyonggi Province, I Corps Rear Area. Collector: 1st Fld Con Sec, 5th PM Unit, APO 96358. Tel: Red Cloud 2056. Control: I & R, Vinnel Corps, APO 96358. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	678	2966	963	2901	3482	2375	13365
<u>Anopheles sinerooides</u>	10	11	13	28	89	80	231
<u>Aedes vexans nipponii</u>	429	998	571	484	11850	4273	18605
<u>Culex pipiens pallens</u>	453	634	817	974	1612	1111	5601
<u>Culex tritaeniorhynchus</u>	195	5	78	71	163	357	869
TOTAL	1765	4614	2442	4458	17196	8196	38671
No. collections received	79	79	67	15	61	37	338
No. months sampled	7	6	7	4	7	5	36

T-11. NCOQ (T15), 226 ASA Co (OP) D, Bukun-Ni, NW of Kanwha Island, Kyonggi Province. Collector and Control: Aid Station 618th Med Co, 226 ASA Co (OP) C, APO 96276. Tel: Nephew 2. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	132	259	224			280	895
<u>Anopheles sinicoides</u>	12	2	1			62	77
<u>Aedes vexans nipponii</u>	159	45	175			315	694
<u>Culex pipiens pallens</u>	47	42	119			99	307
<u>Culex tritaeniorhynchus</u>	22		15			15	52
TOTAL	372	348	534			771	2025
No. collections received	56	68	3			8	135
No. months sampled	5	5	2			2	14

T-12. Under the Guard Tower Near 5th PM Orderly Room (42), Camp Nabors, Mojin Dong, Seoul. Collector: Ned Zool Svc, 5th PM Unit, APO 96301. Tel: YS (Nourish) 3161 EXT 116. Control: R & U, FASCOM Post Engineer, APO 96301. Tel: YS 3161 EXT 165. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	1594	1479	2215	14357	3065	3868	26578
<u>Anopheles cinereoides</u>	5	13	210	806	322	3351	4707
<u>Aedes vexans nipponii</u>	1345	1661	4067	5154	11296	11939	34562
<u>Culex pipiens pallens</u>	4177	11259	6814	27489	10278	35002	95019
<u>Culex tritaeniorhynchus</u>	359	57	258	1667	721	1059	4121
TOTAL	7480	14469	13564	49473	25682	55219	165887
No. collections received	189	106	96	76	86	62	615
No. months sampled	8	7	7	7	7	6	42

T-13. 5th PM Unit Supply (T2), Camp Nabors, Mojin Dong, Songdong District, Seoul. Collector: 5th PM Unit. Control: 5th PM Unit & Eascom Engineer. Security Lights.

Species	Total 1962	Total 1963	1964	1965	1966	Total 1967*	2-year total
<u>Anopheles sinensis</u>	1198	941				11	2139
<u>Anopheles sinereoides</u>	55	2					57
<u>Aedes vexans nipponii</u>	1766	1766				244	3532
<u>Culex pipiens pallens</u>	2333	5300	2			41	7633
<u>Culex tritaeniorhynchus</u>	490	36					526
TOTAL	5842	8045	2			296	13887
No. collections received	187	98	2			12	285
No. months sampled	8	7	1			6	15

*Near swimming pool, Walker Hill, Seoul.

T-14. Main Building Starcom Receiver Site, 57th Sig Co (Sep), 304 Sig Bn, Hwayang-Ni, Seoul, APO 96301. Collector: Med Zool SVC, 5th PM Unit, APO 96301. Control: I & R, Post Engineer, FASCOM, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967*	5-year total
<u>Anopheles sinensis</u>	1255	1135	4409	3210	1398	44539	11407
<u>Anopheles sinereoides</u>	1	18	10	24	43	1916	96
<u>Aedes vexans nipponii</u>	1391	3453	4184	1134	27470	13543	37632
<u>Culex pipiens pallens</u>	3245	6537	4009	3740	4030	2746	21561
<u>Culex tritaeniorhynchus</u>	544	74	410	246	334	1140	1608
TOTAL	6436	11217	13022	8354	33275	63881	72304
No. collections received	83	59	53	8	14	84	217
No. months sampled	7	6	7	4	5	6	29

*Near Dispensary, 81st Artillery, Camp Colbern, APO 96301.

T-15. Knoll to Left Rear of Officers Mess (P1124), 304 Sig Bn, Camp Collier, Yongsan, Seoul, Tel: YS 2380. Collector: Med Zool Svc, 5th FM Unit APO 96301. Control: I & R, Post Engineer FASCOM, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	334	196	357	785	286	319	2277
<u>Anopheles sinicoides</u>			11	3		16	30
<u>Aedes vexans nipponii</u>	510	919	624	550	6485	3246	12434
<u>Culex pipiens pallens</u>	1265	1899	865	2468	3827	702	11026
<u>Culex tritaeniorhynchus</u>	138	34	22	307	56	490	1047
TOTAL	2247	3043	1879	4113	10654	4873	26814
No. collections received	125	57	66	12	19	24	303
No. months sampled	7	6	7	6	5	6	37

T-16. Rear of 548th General Dispensary (SP 1663), N Post Yongsan, Seoul. Tel: 3863 (XO), 2232 (Supply). Collector: Med Zool Svc, 5th FM Unit, APO 96301. Control: I & R, Post Engineer FASCOM, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	217	133	356	654	643	243	2241
<u>Anopheles sinicoides</u>			10		13	21	44
<u>Aedes vexans nipponii</u>	346	511	421	498	2316	1525	6117
<u>Culex pipiens pallens</u>	1063	1015	678	2077	1443	593	4069
<u>Culex tritaeniorhynchus</u>	91	26	35	70	75	129	425
TOTAL	1717	1685	1500	3299	4920	2510	15751
No. collections received	114	69	61	10	22	21	297
No. months sampled	6	6	7	6	5	6	36

T-17. Wooded Gully to Left of P4499 in Generals' Qtrs Area, Yongsan South Post, Seoul. Collector: Med Zool Svc, 5th PM Unit, APO 96301. Control: I & R, Post Engineer, FASCOM, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	1150	466	336	1154	315	66	3487
<u>Anopheles sineroides</u>	7		20	27		21	75
<u>Aedes vexans nipponii</u>	3376	3237	547	1765	3072	1643	14245
<u>Culex pipiens pallens</u>	4447	2225	977	1817	854	312	10632
<u>Culex tritaeniorhynchus</u>	1377	33	117	215	215	45	2002
TOTAL	10357	5961	1997	4978	5056	2092	30441
No. collections received	129	67	63	15	26	25	325
No. months sampled	8	6	7	7	7	5	40

T-18. Rear of Supply Div, 8057th Pers Cen (T1052), ASCOM, Bupyong, Kyonggi Province. Collector and Control: I & R, Post Engineer, ASCOM, APO 96220 Tel: ASCOM 2029. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	461	1145	528	127			2261
<u>Anopheles sineroides</u>		5					5
<u>Aedes vexans nipponii</u>	291	192	361	235			1079
<u>Culex pipiens pallens</u>	282	455	571	291			1599
<u>Culex tritaeniorhynchus</u>	163	20	167	23			373
TOTAL	1197	1817	1627	676			5317
No. collections received	29	48	32	15			124
No. months sampled	5	7	6	7			25

T-19. In Front of S1482 Near BOQ of 6th Med Depot, ASCOM, Bupyong, Kyonggi Province. Collector and Control: I & R, Post Engineer, ASCOM, APO 96220. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	445	1184	1612	843	294	896	5274
<u>Anopheles sinensis</u>			32	22	5	24	83
<u>Aedes vexans nippontii</u>	395	455	1368	532	437	1963	5150
<u>Culex pipiens pallens</u>	785	901	1631	572	431	915	5235
<u>Culex tritaeniorhynchus</u>	295	15	210	446	179	468	1613
TOTAL	1920	2555	4853	2415	1346	4266	17355
No. collections received	28	41	44	20	29	34	196
No. months sampled	5	6	7	7	6	6	37

T-20. Between P2070 and P2182 on Letterkenney Ave, Near Hq of 192nd Crd Bn (I & S), ASCOM, Bupyong, Kyonggi Province. Collector and Control: I & R, Post Engineer, ASCOM, APO 96220. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	787	453	669	1759	302	724	4694
<u>Anopheles sinensis</u>			9	18	7	11	45
<u>Aedes vexans nippontii</u>	1194	1000	865	786	457	2326	6626
<u>Culex pipiens pallens</u>	2123	5762	1249	2747	1654	1516	15054
<u>Culex tritaeniorhynchus</u>	507	22	196	321	313	1222	3141
TOTAL	4611	7237	2988	5631	3233	5362	29562
No. collections received	37	40	37	19	17	34	184
No. months sampled	5	6	6	7	3	5	32

T-21. Between Officers' Mess (P1780) and Main Gate of 55th QM Bn, ASCOM, Bupyong, Kyonggi Province. Collector and Control: I & R, Post Engineer ASCOM, APO 96220. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	467	514	864	1481	319	2355	6000
<u>Anopheles sinerooides</u>		3	17	14		30	64
<u>Aedes vexans nipponii</u>	395	335	1754	767	434	3028	6713
<u>Culex pipiens pallens</u>	1239	3261	3132	1136	746	2014	11528
<u>Culex tritaeniorhynchus</u>	322	19	251	28	262	920	1802
TOTAL	2423	4132	6018	3426	1761	8347	26107
No. collections received	26	39	45	18	36	34	198
No. months sampled	5	7	6	6	7	6	37

T-22. Officers' Mess (T), 377th Med Co (Air Amb), K-16 (Seoul Airport), Yong dong-Po District, Seoul. Collector: 377th Med Co, APO 96301. Tel: Clover 312. Control: I & R, Post Engineer, FASCOM, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	301	518	9				828
<u>Anopheles sinerooides</u>							
<u>Aedes vexans nipponii</u>	167	1766	35				1968
<u>Culex pipiens pallens</u>	2518	2558	33				5109
<u>Culex tritaeniorhynchus</u>	816	82					898
TOTAL	3802	4924	77				8803
No. collections received	50	89	14				153
No. months sampled	3	6	2				11

T-23. Left of Dispensary (137), K-14 (Kimpo Air Port), Kwahae-Ri, Kimpo Kun, Kyonggi Province. Collector: 6044th USAF Dispensary, AFC 96276. Tel: Kimpo 551 or 639. Control: I & R, Base Civil Engineer, Kimpo AFB, AFC 96276. Tel: Kimpo 627 or 632. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	1701	12	3522				5235
<u>Anopheles sineroides</u>			85				85
<u>Aedes vexans nipponii</u>	492	298	730				1520
<u>Culex pipiens pallens</u>	1239	27	956				2272
<u>Culex tritaeniorhynchus</u>	83		79				162
TOTAL	3565	337	5372				9274
No. collections received	66	7	75				148
No. months sampled	5	3	5				13

T-24. In Front of Qtrs 2290, 2nd Engineer GP, Camp Richmond, Oso-Ri, Kimpo Kun, Kyonggi Province. Collector: HQ Co 2nd Engineer Group, AFC 96276. Tel: Nestor 34. Control: I & R, Post Engineer, ASCOM, AFC 96220. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	1966	1967	4-year total
<u>Anopheles sinensis</u>	2214	1807	1142	441			5604
<u>Anopheles sineroides</u>	3		18				21
<u>Aedes vexans nipponii</u>	888	732	671	370			2611
<u>Culex pipiens pallens</u>	1930	1143	750	444			4272
<u>Culex tritaeniorhynchus</u>	340	4	74	27			445
TOTAL	5375	3691	2655	1282			13003
No. collections received	123	162	112	22			419
No. months sampled	7	7	6	4			24

T-25. Near Pol Storage Area Opposite T2561, 76 Engineer Bn, Camp Eiler, Cte-Pi, Kimpo Kun, Kyonggi Province. Collector: Aid Station, 560th Med Co, 76th Engineers Bn, Camp Eiler, APO 96276. Tel: Noonstar 16. Control: I & R Post Engineer, ASCOM, APO 96220. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	1844	2596	1433		2	23	5873
<u>Anopheles sinerooides</u>	1		5				6
<u>Aedes vexans nipponeii</u>	310	282	400		1	12	992
<u>Culex pipiens pallens</u>	3301	427	567			15	4295
<u>Culex tritaeniorhynchus</u>	105	19	25				149
TOTAL	5561	3324	2430		3	50	11315
No. collections received	120	80	52		1	1	252
No. months sampled	7	7	4		1	1	18

T-26. Dispensary (T814), Inchon Port, Kyonggi Province. Collector: 119th Med Det, APO 96571. Tel Inchon 126. Control: I & R, Post Engineer, Inchon APO 96571. Tel: Inchon 222. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	165	457	146			103	871
<u>Anopheles sinerooides</u>		3					3
<u>Aedes vexans nipponeii</u>	143	141	175			295	754
<u>Culex pipiens pallens</u>	265	2340	218		2	327	3150
<u>Culex tritaeniorhynchus</u>	81	11	57			673	822
TOTAL	654	2952	596		2	1398	5600
No. collections received	46	31	36		3	6	119
No. months sampled	6	6	5		2	3	20

T-27. Water Plant (T411), 2nd Trans Comrd Terminal, Wolmi Island, Inchon, Kyonggi Province. Collector: 119th Med Det, APO 96571. Control: I & R Post Engineer, Inchon, APO 96571. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	1228	273	209				1710
<u>Anopheles sinensis</u>	3		47				50
<u>Aedes vexans nipponii</u>	2209	159	972				3340
<u>Culex pipiens pallens</u>	2621	1299	471				4391
<u>Culex tritaeniorhynchus</u>	1728	49	19				1796
TOTAL	7789	1780	1718				11287
No. collections received	80	37	58				175
No. months sampled	7	6	5				18

T-28. Rear of Officers' Mess (T200), 83rd Ordnance Co (Ammo), N of Anyang, Kyonggi Province. Collector: Aid Station 560th Med Co, 83rd Ordnance Co (Ammo), APO 96301. Tel: Neglect. Control: I & R, Post Engineer, 83rd Ordnance Co (Ammo), APO 96301. Tel: Neglect 114. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	962	217	9		2	1	1188
<u>Anopheles sinensis</u>		7					7
<u>Aedes vexans nipponii</u>	677	504	16				1197
<u>Culex pipiens pallens</u>	1240	1033	39		3		2362
<u>Culex tritaeniorhynchus</u>	65	3	1				69
TOTAL	2944	1814	65		5	1	4623
No. collections received	98	61	7		3	2	166
No. months sampled	7	7	4		2	2	18

T-29. Near Water Purification Plant, KMAG L, Camp Long, N of Wonju, Kangwon Province. Collector: Dispensary 618th Med Co, KMAG L Camp Long, APO 96301. Tel KMAG L Camp Long 662. Control: I & R, Post Engineer, Camp Long, APO 96301. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	7718	3180	2369	157	280	1670	15374
<u>Anopheles sinicoides</u>	12	696	182			78	968
<u>Aedes vexans nipponii</u>	4377	3826	1555	150	604	1430	11942
<u>Culex pipiens pallens</u>	3444	1164	1176	264	37	530	6615
<u>Culex tritaeniorhynchus</u>	607	3	11	58	26	53	753
TOTAL	16158	8869	5293	629	947	3761	35657
No. collections received	129	80	22	5	6	28	270
No. months sampled	6	6	4	2	4	5	27

T-30. "The Duranbowl", SESP No. 10, Co D, 17th Inf Div (Rifle), 6 miles N of Wonju, Kangwon Province. Collector: Dispensary, 618th Med Co, Camp Long, APO 96301. Control: I & R, Post Engineer, Camp Long, APO 96301.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	375	192	2227	44	184	913	3935
<u>Anopheles sinicoides</u>		17	8	3	11	42	81
<u>Aedes vexans nipponii</u>	187	101	1255	14	55	412	2024
<u>Culex pipiens pallens</u>	89	53	845	11	25	354	1377
<u>Culex tritaeniorhynchus</u>	29		9			50	88
TOTAL	680	363	4344	72	275	1771	7505
No. collections received	110	54	29	1	6	31	231
No. months sampled	5	6	4	1	4	6	26

T-31. Gatehouse (T315), Main Gate of Camp Page, Chunchon, Kyonggi Province, 4th Inf Comd. Collector: Dispensary, Camp Page, APO 96298. Control: I & R, Post Engineer, Camp Page, APO 96298. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total	
<u>Anopheles sinensis</u>	2297		990		99	103	3489	
<u>Anopheles sinicoides</u>		13		19		5	37	
<u>Aedes vexans nipponii</u>	1156			979		334	179	2648
<u>Culex pipiens pallens</u>	1962			846		34	137	3029
<u>Culex tritaeniorhynchus</u>	525		63		10	84	682	
TOTAL	5953		2897		477	558	9885	
No. collections received	103		77		10	5	195	
No. months sampled	7		6		4	3	20	

T-32. Water Point (T458), Camp Humphreys (K-6), 5 Mile W of Pyongtaek, Kyonggi Province. Collector and Control: I & R, Post Engineer, Camp Humphreys, APO 96271. Tel: Crown 127 or 214. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	3662	922	451	725	150	2490	8400
<u>Anopheles sinicoides</u>		2	11			77	90
<u>Aedes vexans nipponii</u>	1890	46	352	85	24	660	3057
<u>Culex pipiens pallens</u>	3543	818	226	234	43	1811	6630
<u>Culex tritaeniorhynchus</u>	1646	18	19	98	59	630	2470
TOTAL	10741	1806	1059	1142	231	5668	26697
No. collections received	97	52	36	11	6	26	230
No. months sampled	6	7	5	3	1	7	29

T-33. To Right of Dispensary (P515), KMAG G, Taejon. Collector: Dispensary Number 2, 150th Med Det, KMAG G, APO 96231. Tel; Taejon 253 or 259. Control: I & R, Post Engineer, KMAG G, APO 96231. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967*	6-year total
<u>Anopheles sinensis</u>	5504	2201	7733	95	73	600	16206
<u>Anopheles sinuroides</u>		70	158		19	12	259
<u>Aedes vexans nipponii</u>	4620	2878	5641	57	64	3451	16711
<u>Culex pipiens pallens</u>	5001	5787	5743	224		3904	20659
<u>Culex tritaeniorhynchus</u>	530	23	789	20	13	128	1503
TOTAL	15655	10959	20064	396	169	8095	55338
No. collections received	126	67	74	1	1	10	279
No. months sampled	6	4	6	1	1	3	21

*Inside Main Gate, Camp Stonestown, Taejon.

T-34. Behind Billets and Office (T64), QM Supply Point Number 49, 142nd QM Bn, Taejon, S Chungchong Province. Collector: Supply Point Number 49, APO 96231. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	5275	729	5989	14	1400		13407
<u>Anopheles sinuroides</u>	6		504		160		670
<u>Aedes vexans nipponii</u>	2772	513	4659	34	3036		11014
<u>Culex pipiens pallens</u>	3311	506	6177	5	1689		11688
<u>Culex tritaeniorhynchus</u>	741	3	252				996
TOTAL	12105	1751	17581	53	6285		37775
No. collections received	103	68	25	8	3		207
No. months sampled	7	5	4	1	1		18

T-35. Dispensary (SP103), Camp Ames, Sintanjin, Near Hwedok, 10 Miles N of Taejon, S Chungchong Province. Collector: Dispensary No. 1, 150th Med Det (OA), Camp Ames, APO 96231. Tel: Taejon Camp Ames 310. Control: I & R, Post Engineer, Camp Ames, APO 96231. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	12	433	3024	359	2824	666	7318
<u>Anopheles sinerooides</u>		54		3	185	8	250
<u>Aedes vexans nippocnii</u>	18	264	1260	1579	15407	372	18900
<u>Culex pipiens pallens</u>	15	246	453	731	6822	351	8618
<u>Culex tritaeniorhynchus</u>	8		9	29	874	187	1107
TOTAL	53	997	4746	2701	26112	1584	36193
No. collections received	15	20	21	5	31	35	127
No. months sampled	2	4	3	4	4	6	23

T-36. Between 44th Engineer and 19th QM Motor Pools by Fence, Camp Carroll, Waegwan, N Kyongsang Province. Collector: Dispensary, Camp Carroll, APO 96460. Tel: Camp Carroll 105. Control: I & R, Post Engineer, Camp Carroll, APO 96460. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	3754	173	15	414	365	1	4721
<u>Anopheles sinerooides</u>	2						2
<u>Aedes vexans nippocnii</u>	1269		18	2510	301	3	4098
<u>Culex pipiens pallens</u>	1672	47	16	493	758	6	2986
<u>Culex tritaeniorhynchus</u>	462		4		183		649
TOTAL	7159	220	53	3417	1607	10	12456
No. collections received	115	1	2	4	8	3	130
No. months sampled	7	1	2	2	3	1	15

T-37. Behind Transient Quarters (S810), Camp Henry, Taegu, N Kyongsang Province. Collector: 543rd Dispensary, Camp Henry, APO 96218. Tel: Taegu 2352. Control: I & R, Post Engineer, Camp Henry, APO 96218. Tel: 2468 or 2530. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	164	723	403	1087	144	727	3248
<u>Anopheles sinereoides</u>			7	1		75	83
<u>Aedes vexans nipponii</u>	185	766	322	13637	241	235	15386
<u>Culex pipiens pallens</u>	1576	5618	250	37460	490	1209	46603
<u>Culex tritaeniorhynchus</u>	27	134	330	1181	50	192	1914
TOTAL	1952	7241	1312	53366	925	2438	67234
No. collections received	98	140	52	63	9	34	396
No. months sampled	6	7	6	6	3	5	33

T-38. Consolidated EM Mess (S1030), Haileah Compound, Pusan, S Kyongsang Province. Collector: 1st Env San Sec, 5th PM Unit, Hialeah Compound, APO 96259. Tel: Pusan 3662. Control: I & R, Post Engineer, Hialeah Compound, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	295	388	86	126	8		903
<u>Anopheles sinereoides</u>			5				5
<u>Aedes vexans nipponii</u>	1740	284	215	911	42		3192
<u>Culex pipiens pallens</u>	1958	1174	180	200	46		3558
<u>Culex tritaeniorhynchus</u>	275	64	100	10	11		460
TOTAL	4268	1915	581	1247	107		8118
No. collections received	127	48	17	25	2		219
No. months sampled	8	6	4	6	2		26

T-39. 5th Med Unit (SP 447), Hialeah Compound, Pusan, S Kyongsang Province.
 Collector: 1st Env San Sec, 5th PM Unit, Hialeah Compound, APO 96259.
 Control: I & R, Hialeah Engineer, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	179	209	14	28		129	559
<u>Anopheles sinicoides</u>						3	3
<u>Aedes vexans nipponii</u>	677	293	17	46		422	1455
<u>Culex pipiens pallens</u>	699	781	37	35		751	2273
<u>Culex tritaeniorhynchus</u>	68	110	6			295	479
TOTAL	1593	1393	74	109		1600	4769
No. collections received	98	53	9	1		34	195
No. months sampled	8	6	2	1		7	24

T-40. Above 1135A (KMAC Co's Home). SE Slope of Valley View Hill, Hialeah Compound, Pusan, S Kyongsang Province. Collector: 1st Env San Sec, 5th PM Unit, APO 96259. Control: I & R, Post Engineer, Hialeah Compound, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	341	189	490	50	265	378	1733
<u>Anopheles sinicoides</u>			2	2		8	12
<u>Aedes vexans nipponii</u>	1050	400	790	557	956	2864	6617
<u>Culex pipiens pallens</u>	1686	637	1583	362	1513	4969	16730
<u>Culex tritaeniorhynchus</u>	335	87	355	176	582	1261	3472
TOTAL	3412	1313	3220	1147	3316	10180	22581
No. collections received	119	55	47	19	9	39	287
No. months sampled	9	6	6	5	5	7	38

T-41. Water Tower (T1359), 142nd QM Bn Compound, Pusan, S Kyongsang Province.
 Collections: 1st Env San Sec, 5th PM Unit, APO 96259. Control: I & R,
 Post Engineer, Hialeah, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	132	68	89	249	2	413	953
<u>Anopheles sinuroides</u>							
<u>Aedes vexans nipponii</u>	145	133	71	196	96	211	852
<u>Culex pipiens pallens</u>	959	244	175	733	54	243	2408
<u>Culex tritaeniorhynchus</u>	183	36	86	5	10	217	537
TOTAL	1419	481	421	1183	162	1084	4750
No. collections received	70	52	40	15	7	26	210
No. months sampled	5	6	6	5	4	7	33

T-42. Right of PX (T2090), 70th Trans Bn (Term), Pusan Port, S Kyongsang Province. Collector: 1st Env San Sec, 5th PM Unit, APO 96259. Control: I & R, Post Engineer, Hialeah, 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	189	221	47	17	13		487
<u>Anopheles sinuroides</u>			7	1			8
<u>Aedes vexans nipponii</u>	719	268	136	211	38		1372
<u>Culex pipiens pallens</u>	2457	877	177	45	25		3581
<u>Culex tritaeniorhynchus</u>	606	355	57	11	19		1043
TOTAL	3971	1721	424	285	95		6496
No. collections received	119	45	34	11	6		215
No. months sampled	9	6	6	5	4		30

T-43. Near NCOQ No. 2 (T142), 609th Ordnance Co (Ammo), Haeundae, S Kyongsang Province. Collector: 1st Env San Sec, 5th PM Unit, APO 96259. Control: I & R, Post Engineer, Hialeah, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	601	217	100		42	603	1563
<u>Anopheles sineroides</u>						15	15
<u>Aedes vexans nipponii</u>	523	422	143	4	44	589	1725
<u>Culex pipiens pallens</u>	1294	823	334	4	52	3185	5692
<u>Culex tritaeniorhynchus</u>	381	78	207		42	1228	1936
TOTAL	2799	1540	784	8	180	5620	10931
No. collections received	57	49	45	10	7	25	183
No. months sampled	6	5	6	4	4	6	27

T-44. EM Barracks (T 2), Naval Advisory Group, Chinhae, S Kyongsang Province. Collector: Medical Section, NAG Chinhae, APO 96259. Tel: Chinhae 524. Control: I & R, NAG Compound Engineer, APO 96259. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	578	565	87	155		45	1840
<u>Anopheles sineroides</u>			5			27	32
<u>Aedes vexans nipponii</u>	672	141	168	207		492	1680
<u>Culex pipiens pallens</u>	2942	109	438	534		332	4355
<u>Culex tritaeniorhynchus</u>	729	14	48			1250	2041
TOTAL	4921	834	741	896		2556	9918
No. collections received	60	10	11	1		73	155
No. months sampled	7	4	4	1		7	23

T-45. Right of Dispensary (S21), KMAG K, Kwangju, S Cholla Province. Collector: Dispensary, KMAG K, APO 96231. Tel: Roadbed 436. Control: I & R, Post Engineer, KMAG K, APO 96231. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	1987	6333	6355	3		2659	17337
<u>Anopheles sinereoides</u>			21			78	99
<u>Aedes vexans nipponii</u>	1657	2288	3509	3		1873	9330
<u>Culex pipiens pallens</u>	1918	1150	2526	2		3466	9062
<u>Culex tritaeniorhynchus</u>	382	28	144			749	1303
TOTAL	5944	9799	12555	8		8825	37131
No. collections received	130	116	37	3		87	373
No. months sampled	6	6	3	2		7	24

T-46. C. Morris' Mess (T100), Camp Howard, N of Chonan, S Chungchong Province. Collector & Control: I & R, Post Engineer, Camp Humphreys, APO 96271. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	816	115	617	2227	39	2172	5986
<u>Anopheles sinereoides</u>			19	4		23	46
<u>Aedes vexans nipponii</u>	144		223	1121	1	761	2250
<u>Culex pipiens pallens</u>	218	263	536	914		416	2347
<u>Culex tritaeniorhynchus</u>	132	3	43	96		78	352
TOTAL	1310	381	1438	4362	40	3450	10931
No. collections received	100	14	61	36	3	35	249
No. months sampled	5	3	6	6	2	6	23

T-47. EM Quarters (T 206), D Battery 4th Missile BN, 44th Arty, Yaju, Yaju Kun, Kyonggi Province. Collector and Control: Vector Control MCC, D BN, 4th Missile BN, Tel: Ultra Delta, APO 96271. Security Lights.

Species	Total 1962*	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	5-year total
<u>Anopheles sinensis</u>	635	8827	1783	1782	225	45140	57762
<u>Anopheles sinicoides</u>	1	9	26	59	16	300	410
<u>Aedes vexans nipponii</u>	866	1442	506	306	61	9406	11721
<u>Culex pipiens pallens</u>	1491	579	404	262	6	1337	2586
<u>Culex tritaeniorhynchus</u>	261	29	32	25		864	1020
TOTAL	3254	10886	2756	2504	306	57047	73499
No. collections received	92	112	33	9	2	8	164
No. months sampled	6	7	5	3	1	4	20

*Camp Nabors, Mojin Dong, Seoul.

T-48. Water Tower, 177th ASA Co (OP) A, Det B, Sokcho-Ri, Kangwon Province. Collector: Aid Station 618th Med Co (Clr), 177th ASA Co (OP) A, Det B, APO 96301. Control: I & R, Vinnel Corps, KMAG EAST, APO 96203. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	6-year total
<u>Anopheles sinensis</u>	1987	3835	131	2	371	201	6537
<u>Anopheles sinicoides</u>	264	263	161		54	15	777
<u>Aedes vexans nipponii</u>	949	896	319	4	210	152	2520
<u>Culex pipiens pallens</u>	261	1067	80		74	21	1500
<u>Culex tritaeniorhynchus</u>	178	9			23	1	211
TOTAL	3629	6070	711	6	732	395	11553
No. collections received	45	122	14	1	12	4	132
No. months sampled	4	7	3	1	5	1	21

T-49. Entomology Service, PE, R & U Det, Munsan-Ni, Kyonggi Province. Collector: Entomology Service, PE, R & U Det, Munsan-Ni, APO 96224. Control: Entomology Service, PE, R & U Det, Munsan, APO 96224. Security Lights.

Species	1962	Total 1963	Total 1964	Total 1965	1966	Total 1967	4-year total
<u>Anopheles sinensis</u>		129	1561	31		1058	2779
<u>Anopheles sinerooides</u>			8	26		46	80
<u>Aedes vexans nipponii</u>		143	942	26		648	1759
<u>Culex pipiens pallens</u>		204	933	26		130	1293
<u>Culex tritaeniorhynchus</u>			15			68	83
TOTAL		476	3459	109		1950	5994
No. collections received		16	81	5		17	119
No. months sampled		2	6	2		5	15

T-50. Building No. 3021 (Water Pump Station), Near the Water Reservoir on the NE Perimeter of the Base, Osan, Kyonggi Province. Collector: 6045th USAF Hospital (PACAF), Osan Air Base, APO 96570. Control: I & R, Control Section, Osan Air Base, APO 96570. Security Lights.

Species	1962*	Total 1963	Total 1964**	Total 1965	1966	1967	3-year total
<u>Anopheles sinensis</u>	83	118	440	3092			3650
<u>Anopheles sinerooides</u>	25	5		10			15
<u>Aedes vexans nipponii</u>	89	40	582	1972			2594
<u>Culex pipiens pallens</u>	101	7	507	2076			2590
<u>Culex tritaeniorhynchus</u>	12		120	118			238
TOTAL	310	170	1649	7268			9087
No. collections received	33	26	121	31			178
No. months sampled	2	3	10	3			16

*Munsan-Ni, Kyonggi Province

**Two Traps

T-51. Run Only Sporadically in Several Locations.

T-52. Below AN Latrine (S202), E Btry, 4th Missile Bn, 4th Arty, Camp Echo Hill, Kimjae, S Cholla Province. Collector: Dispensary, E Btry, 4th Missile Bn, 44th Arty, A/C 96264. Control: R & U, Camp Echo Hill, APO 96264. Security Lights.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	3-year total
<u>Anopheles sinensis</u>	5014	26436				7470	39928
<u>Anopheles sinensis</u>			53			102	152
<u>Aedes vexans nippomii</u>	1121	1129				911	6461
<u>Culex pipiens pallens</u>	871	1804				817	3492
<u>Culex tritaeniorhynchus</u>	12	608				112	732
TOTAL	7018	33330				9427	49775
No. collections received	42	61				15	118
No. months sampled	6	4				5	15

T-53. BOQ No. 391, Kunsan AFB, 10 Miles SW of Kunsan, S Cholla Province. Collector: 6043rd USAF Dispensary, APO 96264. Tel: Kunsan 322 or 154. Control: Base Civil Engineer, Kunsan AFB, APO 96264.

Species	Total 1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>	137	4	3			10	204
<u>Anopheles sinensis</u>		3					3
<u>Aedes vexans nippomii</u>	22						22
<u>Culex pipiens pallens</u>	83		40			13	136
<u>Culex tritaeniorhynchus</u>	119						119
TOTAL	414	4	43			23	434
No. collections received	3	1	1			1	11
No. months sampled	2	1	1			1	5

T-54. Bomb Disposal Area, Kunsan AFB, Kunsan, S Cholla Province. Collector: 6043rd USAF Dispensary, Kunsan, APO 96264. Control: Base Civil Engineers, Kunsan AFB, APO 96264.

Species	Total 1962	1963	Total 1964	1965	1966	1967	2-year total
<u>Anopheles sinensis</u>	21		4				25
<u>Anopheles sinerooides</u>							
<u>Aedes vexans nipponii</u>							
<u>Culex pipiens pallens</u>	6		22				28
<u>Culex tritaeniorhynchus</u>	22						22
TOTAL	49		26				75
No. collections received	3		2				5
No. months sampled	1		1				2

T-55. Sea Wall at Ground Control Station (T2022), Kunsan AFB, S Cholla Province. Collector: 6043rd Dispensary, Kunsan, APO 96264. Control: Base Civil Engineers, Kunsan, APO 96264.

Species	Total 1962	1963	Total 1964	1965	1966	1967	2-year total
<u>Anopheles sinensis</u>	93		3				96
<u>Anopheles sinerooides</u>							
<u>Aedes vexans nipponii</u>	12		2				14
<u>Culex pipiens pallens</u>	15		15				30
<u>Culex tritaeniorhynchus</u>	52		4				56
TOTAL	172		24				196
No. collections received	6		2				8
No. months sampled	2		1				3

T-56. Pohang Dispensary, 44th Engineer Bn, Pohang, S Kyongsang Province. Collector: Pohang Dispensary, 44th Engineer Bn, APO 96218. Control: I & R Post Engineer, Camp Carrol, APO 96460. Security Lights.

Species	1962	1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>			7048	263	112	3129	10552
<u>Anopheles sineroides</u>			99			172	271
<u>Aedes vexans nipponii</u>			918	735	217	904	2774
<u>Culex pipiens pallens</u>			1454	2164	137	2481	6236
<u>Culex tritaeniorhynchus</u>			431	80		1642	2153
TOTAL			9950	3242	466	5328	21986
No. collections received			23	11	1	24	59
No. months sampled			5	4	1	3	13

T-57. Behind NCO Club (T100), KMAG East, Kwandae-Ri, Kangwon Province. Collector: Vector Control NCO, KMAG East, APO 96208. Control: I & R, Vinnel Corps, KMAG East, APO 96208. Security Lights.

Species	1962	Total 1963	Total 1964	Total 1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>		596	2580	812	402	204	4594
<u>Anopheles sineroides</u>		85	125	4	65	15	294
<u>Aedes vexans nipponii</u>		2078	2131	298	1066	130	5703
<u>Culex pipiens pallens</u>		470	1601	460	583	320	3434
<u>Culex tritaeniorhynchus</u>		2	143	16	1	38	200
TOTAL		3231	6580	1590	2117	707	14225
No. collections received		79	65	15	29	17	205
No. months sampled		6	5	4	7	4	26

T-58. Behind BOQ, KMAG East, Kwandae-Ri, Kangwon Province. Collector: Vector Control NCO, KMAG East, APO 96208. Control: I & R, Vinnel Corps, KMAG East, APO 96208. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	1966	1967	2-year total
<u>Anopheles sinensis</u>		1456	1573				3029
<u>Anopheles sinereoides</u>		56	465				521
<u>Aedes vexans nipponii</u>		645	1203				1848
<u>Culex pipiens pallens</u>		917	1081				1998
<u>Culex tritaeniorhynchus</u>		7	50				57
TOTAL		3081	4372				7453
No. collections received		110	65				175
No. months sampled		7	6				13

T-59. BOQ (T203), 7th Msl Bn, Btry C, 2nd Arty, Namyang, Kyonggi Province. Collector and Control: R & U, 7th Msl Bn, Btry C, 2nd Arty, APO 96301. Tel: Unique Charly. Security Lights.

Species	Total 1962	Total 1963	Total 1964	1965	Total 1966	Total 1967	4-year total
<u>Anopheles sinensis</u>		136	665		799	216	1816
<u>Anopheles sinereoides</u>		46	17		59	2	124
<u>Aedes vexans nipponii</u>		557	306		516	314	1693
<u>Culex pipiens pallens</u>		48	196		701	55	1000
<u>Culex tritaeniorhynchus</u>		1	20		67	28	116
TOTAL		788	1204		2142	615	4749
No. collections received		46	58		32	54	190
No. months sampled		5	7		6	6	24

T-60. Behind KMAG Mess Hall, 723rd Ordnance Co, DSU, Sunchon, S Cholla Province. Collector: KMAG K Det at Sunchon, APO 96231. Control: I & R, Port Engineer, KMAG K, APO 96231. Security Lights.

Species	1962	1963	1964	1965	1966	Total 1967	1-year total
<u>Anopheles sinensis</u>						2286	2286
<u>Anopheles sinensis</u>							
<u>Aedes vexans nipponii</u>						893	893
<u>Culex pipiens pallens</u>						984	984
<u>Culex tritaeniorhynchus</u>						464	464
TOTAL						4627	4627
No. collections received						32	32
No. months sampled						5	5