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### ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

In accord with Resolution XXVI of the XIII Meeting of the Directing Council, the Fifth Revision of the Estimated Requirements for the PAHO Special Malaria Fund is presented herewith for study by the Directing Council.

This presentation includes estimated requirements in each year from 1966 through 1970 for individual country programs as well as for zone and regional projects and headquarters. The requirements show not only Special Malaria Fund but other sources of funding as well as, and indicates the expected level of such. Therefore, information is included on financing from the PAHO regular budget, the WHO regular budget, the WHO Malaria Eradication special account and the Expanded Program of Technical Assistance budget. The Tables show separately the estimated requirements of the Organization with regard to personnel, supplies and equipment, fellowships, grants and other expenses for each program in which the Organization participates. Standard PAHO/WHO budgeting methods have been used and all amounts have been shown in U.S. dollars.

Individual project tables are also presented showing a break-down of personnel by type as well as a short description of the state of the program and the Organization's plans for the future. The collaboration of UNICEF and/or AID is indicated where applicable.

The requirements of the programs in which the Organization does not participate directly are not shown nor are these included in the summary table.

Estimates of the amount shown here were made in 1966 based on information available at that time concerning the progress of the campaign and their probable duration. The estimated requirements include provision for salary increases for international personnel as well as for additional research projects recommended in 1965 by the Malaria Advisory Committee.

Experience has shown that frequent evaluation of program is necessary, requiring frequent revision of expected requirements, particularly for programs which encounter technical problems. The delays encountered in securing adequate funding in some countries will undoubtedly prolong the duration and increase the costs. Therefore, the requirements presented in this document should be considered as the minimum expected.

Progress was made during 1965 with respect to problems of administration, personnel and finances in a number of programs and no new technical problems of consequence arose during the year. However, the difficulties in Central America have continued and resources are still insufficient for the need. Again, it has been difficult to maintain previous gains, and incidence has increase in some areas. Efforts are being pursued to arrange for suitable finances which will permit the continuance of full-scale eradication activities but, as stated above, the process of eradication has been lengthened and is being made more difficult by the deterioration which has occurred in some countries.

## ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

## Summary

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	57,690,432	59,406,705	50,052,260	40,341,450	32,328,350	239,817,197
GOVT. AND OTHER SOURCES <sup>1/</sup>	54,214,000	55,668,000	46,504,000	37,417,000	29,934,000	223,737,000
PAHO/WHO PORTION						
Personnel costs and travel	2,725,839	2,867,697	2,954,360	2,498,000	2,113,000	13,158,896
Supplies and equipment	369,143	373,150	342,250	296,400	219,800	1,600,743
Fellowships	58,900	58,100	58,100	24,500	8,400	208,000
Grants and others	322,550	439,758	193,550	103,550	53,150	1,112,558
SUB-TOTAL PAHO/WHO	3,476,432	3,738,705	3,548,260	2,922,450	2,394,350	16,080,197

## SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	76,838	280,878	489,180	695,000	900,000	2,441,896
PAHO-SMF	2,037,223	2,152,865	1,886,092	1,669,200	940,100	8,685,480
WHO-Reg.	455,000	477,000	477,000	500,200	500,000	2,409,200
WHO-MESA	813,116	724,762	596,288	-	-	2,134,166
WHO-TA	94,255	103,200	99,700	58,050	54,250	409,455
TOTAL	3,476,432	3,738,705	3,548,260	2,922,450	2,394,350	16,080,197

## PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	44	43	42	41	38
Sanitary Engineer	17	16	16	11	8
Entomologist	11	11	11	9	4
Health Educator	2	2	2	2	2
Sanitary Inspector	56	57	56	44	36
Entomologist Assistant or Entomology Aide	6	7	7	6	2
Others	22	22	22	21	20
TOTAL	158	158	156	134	110

## OBSERVATIONS

<sup>1/</sup> Estimated costs for Jamaica, Trinidad and Tobago, Venezuela and West Indies not included.

Estimates including field projects, Zone Offices supporting services, and Malaria Eradication Branch.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Argentina

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,231,979	1,233,756	1,238,388	884,400	622,000	5,210,523
GOVT. AND OTHER SOURCES	1,200,000	1,200,000	1,200,000	850,000	620,000	5,070,000
PAHO/WHO PORTION						
Personnel costs and travel	26,179	27,956	32,588	30,000	-	116,723
Supplies and equipment	3,000	3,000	3,000	3,000	2,000	14,000
Fellowships	2,800	2,800	2,800	1,400	-	9,800
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	31,979	33,756	38,388	34,400	2,000	140,523

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	38,388	34,400	2,000	74,788
PAHO-SMF	31,979	33,756	-	-	-	65,735
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	31,979	33,756	38,388	34,400	2,000	140,523

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	1	1	1	1	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	1	1	1	1	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	2	2	2	2	-

OBSERVATIONS

UNICEF collaborates in this program.

Attack phase was begun in 1959, except in the provinces of El Chaco, in which it was begun (but not extended over the entire area) in 1966, and Formosa, where it is expected to begin in 1967.

PAHO will provide the services of a sanitary engineer, a sanitarian, and anti-malarial drugs for presumptive treatment of fever cases and for radical cure treatment of confirmed cases of malaria.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
**Bolivia**

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	513,614	604,458	445,583	276,000	265,000	2,104,655
GOVT. AND OTHER SOURCES	440,000	530,000	368,000	215,000	215,000	1,768,000
PAHO/WHO PORTION						
Personnel costs and travel	66,614	67,458	70,583	57,000	48,000	309,655
Supplies and equipment	7,000	7,000	7,000	4,000	2,000	27,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	73,614	74,458	77,583	61,000	50,000	336,655

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	74,458	77,583	61,000	50,000	263,041
PAHO-SMF	73,614	-	-	-	-	73,614
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	73,614	74,458	77,583	61,000	50,000	336,655

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	2	1
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	4	4	4	3	2

OBSERVATIONS

UNICEF and AID cooperate in this program.

The set-back experienced in 1963 and 1964 has been overcome and the program is advancing well. Attack phase continued in the northern frontier area and in smaller areas of persistent transmission in river valleys in the south. Response to spraying has been excellent in the north and supplementary measures are being introduced in foci in the south.

In addition to consultants' services, PAHO provides anti-malarial drugs for radical-cure treatment of cases and for radical-cure or collective treatment in foci.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Brazil (Excluding São Paulo) 0200

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	12,158,979	14,649,229	17,885,509	17,659,200	17,669,200	80,022,117
GOVT. AND OTHER SOURCES	11,800,000	14,228,000	17,442,000	17,200,000	17,200,000	77,870,000
PAHO/WHO PORTION						
Personnel costs and travel	255,216	315,679	337,959	345,000	355,000	1,608,854
Supplies and equipment	99,563	101,350	101,350	110,000	110,000	522,263
Fellowships	4,200	4,200	4,200	4,200	4,200	21,000
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	358,979	421,229	443,509	459,200	469,200	2,152,117

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	397,700	397,700
PAHO-SMF	259,416	389,575	431,145	447,000	60,000	1,587,136
WHO-Reg.	99,563	31,654	12,364	12,200	11,500	167,281
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	358,979	421,229	443,509	459,200	469,200	2,152,117

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	5	5	5	5	5
Sanitary Engineer	3	3	3	3	3
Entomologist	-	1	1	1	1
Health Educator	-	-	-	-	-
Sanitary Inspector	4	4	4	4	4
Entomologist Assistant or Entomology Aide	-	2	2	2	2
Others	4	4	4	4	4
TOTAL	16	19	19	19	19

OBSERVATIONS

AID participates in this program.

The gradual extension of the program to cover, eventually, the entire malarious area, is progressing. Some areas were placed in consolidation during 1965, and others are undergoing evaluation toward this end.

PAHO provides the services of consultants, anti-malarial drugs for presumptive and radical-cure treatment and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Brazil (São Paulo)

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,066,595	867,987	710,000	710,000	-	3,354,582
GOVT. AND OTHER SOURCES	1,050,000	850,000	710,000	710,000	-	3,320,000
PAHO/WHO PORTION						
Personnel costs and travel	16,195	17,587	-	-	-	33,782
Supplies and equipment	400	400	-	-	-	800
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	16,595	17,987	-	-	-	34,582

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	16,595	17,987	-	-	-	34,582
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	16,595	17,987	-	-	-	34,582

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	1	1	-	-	-

OBSERVATIONS

AID participates in this program.

It is expected that consolidation phase will be prolonged in this program until the rest of the country enters consolidation phase. Imported cases from other states of Brazil are very numerous and great care must be exercised against re-initiation of transmission. The organization built up for the malaria eradication campaign is being shifted gradually into activities to control Chagas disease, as malaria work decreases.

PAHO provides the services of a consultant and drugs for radical-cure treatment of cases and for use in the elimination of foci.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
BRAZIL-0202**

Training Center for Malaria Eradication, Rio de Janeiro

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	25,000	91,495	62,887	65,000	64,000	308,382
GOVT. AND OTHER SOURCES a)	-	-	-	-	-	-
PAHO/WHO PORTION						
Personnel costs and travel	-	26,495	27,887	30,000	29,000	113,382
Supplies and equipment	25,000	40,000	10,000	10,000	10,000	95,000
Fellowships	-	-	-	-	-	-
Grants and others	-	25,000	25,000	25,000	25,000	100,000
SUB-TOTAL PAHO/WHO	25,000	91,495	62,887	65,000	64,000	308,382

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	25,000	25,000	25,000	25,000	100,000
PAHO-SMF	25,000	66,495	37,887	40,000	39,000	208,382
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	25,000	91,495	62,887	65,000	64,000	308,382

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	-	1	1	1	1

OBSERVATIONS

a) Government Financing included in Brazil 0200.

A new training center is being established in Rio de Janeiro within the Training Division of the CEM. This center will have access to areas with field operations of various types in progress, a necessity for adequate training in malaria eradication techniques. National personnel first and later PAHO fellows will receive training.

A consultant's services, some supplies and equipment and a grant to provide some local costs of personnel will be supplied by the Organization.



ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Colombia

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	2,558,282	2,578,349	2,586,190	2,441,800	1,987,400	12,152,021
GOVT. AND OTHER SOURCES	2,346,000	2,346,000	2,346,000	2,200,000	1,850,000	11,088,000
PAHO/WHO PORTION						
Personnel costs and travel	188,682	208,749	216,590	225,000	125,000	964,021
Supplies and equipment	18,000	18,000	18,000	14,000	11,000	79,000
Fellowships	5,600	5,600	5,600	2,800	1,400	21,000
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	212,282	232,349	240,190	241,800	137,400	1,064,021

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	75,831	240,190	241,800	137,400	695,221
PAHO-SMF	212,282	156,518	-	-	-	368,800
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	212,282	232,349	240,190	241,800	137,400	1,064,021

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	2
Sanitary Engineer	2	2	2	2	1
Entomologist	1	1	1	1	-
Health Educator	-	-	-	-	-
Sanitary Inspector	6	6	6	6	4
Entomologist Assistant or Entomology Aide	2	2	2	2	-
Others	-	-	-	-	-
TOTAL	13	13	13	13	7

OBSERVATIONS

UNICEF participates in this program.

A great part of this program has already achieved consolidation phase, but the areas still in attack are subject to persistent transmission. This is being attacked by intensive methods of DDT-spraying and supplementary attack through radical-cure treatment on a presumptive basis.

PAHO provides consultants' services, anti-malarial drugs, and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Costa Rica

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	648,925	644,752	624,975	331,000	331,000	2,580,652
GOVT. AND OTHER SOURCES	570,000	570,000	546,000	290,000	290,000	2,266,000
PAHO/WHO PORTION						
Personnel costs and travel	70,925	66,752	70,975	35,000	37,000	280,652
Supplies and equipment	8,000	8,000	8,000	6,000	4,000	34,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	78,925	74,752	78,975	41,000	41,000	314,652

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	36,072	36,560	37,048	-	-	109,680
WHO-Reg.	-	38,192	41,927	41,000	41,000	162,119
WHO-MESA	42,853	-	-	-	-	42,853
WHO-TA	-	-	-	-	-	-
TOTAL	78,925	74,752	78,975	41,000	41,000	314,652

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	1	1
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	4	4	4	2	2

OBSERVATIONS

UNICEF participates in this program.

Efforts are continuing to strengthen the administrative and technical staffing of this program. Financial difficulties held back progress during 1965 but prospects are excellent for adequate funds for 1966-68. Technical problems are not serious and the importation of cases is likely to be considerably reduced by improvements in the campaigns of neighboring countries.

PAHO provides the services of consultants and drugs for treatment of cases and elimination of foci.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Cuba

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,266,857	816,981	466,889	445,000	-	2,995,727
GOVT. AND OTHER SOURCES	1,200,000	750,000	400,000	400,000	-	2,750,000
PAHO/WHO PORTION						
Personnel costs and travel	51,557	52,481	52,389	40,000	-	196,427
Supplies and equipment	10,000	10,000	10,000	5,000	-	35,000
Fellowships	4,300	3,500	3,500	-	-	11,300
Grants and others	1,000	1,000	1,000	-	-	3,000
SUB-TOTAL PAHO/WHO	66,857	66,981	66,889	45,000	-	245,727

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	-	-	-	-	-
WHO-Reg.	66,857	66,981	66,889	45,000	-	245,727
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	66,857	66,981	66,889	45,000	-	245,727

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	2	2	2	1	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	3	3	3	2	-

OBSERVATIONS

Attack phase began in this program in 1962 and has been carried out with excellent results. Only one or two small foci in areas of difficult access continue to have transmission, and it is expected that the campaign will enter consolidation phase in 1967.

WHO provides the services of consultants, anti-malarial drugs and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Dominican Republic

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,520,081	1,206,738	758,259	717,000	-	4,202,078
GOVT. AND OTHER SOURCES	1,400,000	1,100,000	650,000	650,000	-	3,800,000
PAHO/WHO PORTION						
Personnel costs and travel	112,881	99,538	101,059	65,000	-	378,478
Supplies and equipment	3,000	3,000	3,000	2,000	-	11,000
Fellowships	4,200	4,200	4,200	-	-	12,600
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	120,081	106,738	108,259	67,000	-	402,078

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	120,081	106,738	108,259	67,000	-	402,078
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	120,081	106,738	108,259	67,000	-	402,078

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	-
Sanitary Engineer	1	1	1	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	2	2	2	2	-
Entomologist Assistant or Entomology Aide	1	-	-	-	-
Others	1	1	1	-	-
TOTAL	6	5	5	3	-

OBSERVATIONS

UNICEF participates in this program.

Very satisfactory progress has been made in this program since its reorganization and resumption of DDT-spraying in November 1962. Some areas were placed in consolidation in spring of 1965, and in others spraying has been terminated and a period of observation instituted before placing them definitely in consolidation phase. One or two foci of transmission remain and these, together with areas of high potential transmission, continue under spraying.

PAHO/WHO provides consultants' services (the chief consultant functions also as co-director of the program), anti-malarial drugs and fellowships. WHO/TA funds cover the services of a medical officer.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Ecuador

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,946,911	1,792,209	1,654,174	797,400	662,000	6,852,694
GOVT. AND OTHER SOURCES	1,834,000	1,665,000	1,524,000	685,000	606,000	6,314,000
PAHO/WHO PORTION						
Personnel costs and travel	100,111	114,409	117,374	103,000	52,000	486,894
Supplies and equipment	10,000	10,000	10,000	8,000	4,000	42,000
Fellowships	2,800	2,800	2,800	1,400	-	9,800
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	112,911	127,209	130,174	112,400	56,000	538,694

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	90,000	33,000	123,000
PAHO-SMF	92,956	105,209	108,674	-	-	306,839
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	19,955	22,000	21,500	22,400	23,000	108,855
TOTAL	112,911	127,209	130,174	112,400	56,000	538,694

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	1
Sanitary Engineer	1	1	1	1	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	4	4	4	3	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	7	7	7	6	3

OBSERVATIONS

UNICEF and AID participate in this program.

Financial and administrative difficulties have hindered this program. No technical problems have arisen and relatively low-level transmission persists in limited areas because of open housing and rapid colonization with consequent continuous new construction. Supplementary measures have been instituted but their application has been interrupted by budgetary problems.

PAHO provides the services of consultants, anti-malarial drugs and fellowships. WHO/TA funds provide the services of a medical officer. The program enjoys the services of an AID co-director.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

El Salvador

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,652,302	1,552,197	1,397,019	687,800	686,000	5,975,318
GOVT. AND OTHER SOURCES	1,515,000	1,418,000	1,253,000	580,000	580,000	5,346,000
PAHO/WHO PORTION						
Personnel costs and travel	123,802	120,697	130,519	97,000	100,000	572,018
Supplies and equipment	10,000	10,000	10,000	8,000	6,000	44,000
Fellowships	3,500	3,500	3,500	2,800	-	13,300
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	137,302	134,197	144,019	107,800	106,000	629,318

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	44,161	43,351	46,472	67,800	66,500	268,284
WHO-Reg.	93,141	90,846	97,547	40,000	39,500	361,034
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	137,302	134,197	144,019	107,800	106,000	629,318

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	2
Sanitary Engineer	1	1	1	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	4	4	4	3	3
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	7	7	7	5	5

OBSERVATIONS

UNICEF and AID participate in this program.

Technical problems of a serious nature require extensive supplementary attack measures other than DDT spraying, and financial difficulties have prevented their application to all of the area requiring them. Funds are expected to be forthcoming for 1966-1968 to finance an adequate attack program, primarily based on an extension of the collective treatment programs now in existence, in which results have been good.

PAHO/WHO provides consultants' services, drugs for treatment of cases and fellowships.

## ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

## Guatemala

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	2,184,071	2,228,486	1,756,260	1,167,400	1,065,000	8,401,217
GOVT. AND OTHER SOURCES	2,032,000	2,070,000	1,595,000	1,100,000	1,000,000	7,797,000
PAHO/WHO PORTION						
Personnel costs and travel	135,671	142,086	144,860	54,000	57,000	533,617
Supplies and equipment	15,000	15,000	15,000	12,000	8,000	65,000
Fellowships	1,400	1,400	1,400	1,400	-	5,600
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	152,071	158,486	161,260	67,400	65,000	604,217

## SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	65,974	66,722	67,470	67,400	65,000	332,566
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	86,097	91,764	93,790	-	-	271,651
WHO-TA	-	-	-	-	-	-
TOTAL	152,071	158,486	161,260	67,400	65,000	604,217

## PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	1	1
Sanitary Engineer	1	1	1	-	-
Entomologist	1	1	1	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	7	7	7	3	3

## OBSERVATIONS

UNICEF and AID participate in this program.

Serious technical problems have precipitated financial difficulties in this program. The malaria situation worsened in 1964 and improved somewhat in 1965. Collective treatment programs are utilized as a main attack measure, but could not be extended to the entire population programmed. Funds are expected to be forthcoming to finance an adequate program.

In addition to consultants' services, PAHO/WHO provides drugs for the treatment of cases and fellowships for the training of national personnel.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Haiti

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	2,774,236	2,259,314	1,562,708	1,211,000	989,000	8,796,258
GOVT. AND OTHER SOURCES	2,650,000	2,150,000	1,450,000	1,100,000	900,000	8,250,000
PAHO/WHO PORTION						
Personnel costs and travel	109,236	94,314	97,708	100,000	85,000	486,258
Supplies and equipment	15,000	15,000	15,000	11,000	4,000	60,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	124,236	109,314	112,708	111,000	89,000	546,258

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	124,236	109,314	112,708	111,000	89,000	546,258
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	124,236	109,314	112,708	111,000	89,000	546,258

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	2
Sanitary Engineer	1	-	-	-	-
Entomologist	1	1	1	1	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	3	3
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	7	6	6	6	5

OBSERVATIONS

UNICEF and AID participate in this program.

During 1965 the pilot collective treatment program was expanded to become the largest in the hemisphere, with 1.5 million people treated in three-week cycles by the end of the year. Results were good but the number of foci appearing in areas not included in the original drug program was greater than anticipated. The program will be continued during 1966, with intensified vigilance in untreated areas and those in which the program may be terminated.

PAHO provides the services of consultants, of which one functions also as co-director and part of the anti-malarial drugs for treatment of cases.



ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Honduras

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,224,305	875,799	725,516	490,000	489,000	3,804,620
GOVT. AND OTHER SOURCES	1,155,000	808,000	658,000	425,000	425,000	3,471,000
PAHO/WHO PORTION						
Personnel costs and travel	59,305	57,799	57,516	59,000	61,000	294,620
Supplies and equipment	10,000	10,000	10,000	6,000	3,000	39,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	69,305	67,799	67,516	65,000	64,000	333,620

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	24,486	24,730	24,974	25,000	24,000	123,190
WHO-Reg.	-	43,069	42,542	40,000	40,000	165,611
WHO-MESA	44,819	-	-	-	-	44,819
WHO-TA	-	-	-	-	-	-
TOTAL	69,305	67,799	67,516	65,000	64,000	333,620

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	2	2	2	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	3	3	3	3	3

OBSERVATIONS

UNICEF and AID participate in this program.

The greater part of the malarious area is in consolidation phase, but an small area with double-resistance of the vector exists in the south. A program of collective treatment was initiated on a pilot scale in this area during 1965, and will be extended to the whole problem area during 1966. Adequate funding for this intensified attack has been assured for 1966-1968.

PAHO/WHO provides the services of consultants and anti-malarial drugs for treatment of cases.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Mexico

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	19,048,543	19,956,205	11,755,478	7,455,650	3,905,250	62,121,126
GOVT. AND OTHER SOURCES	18,900,000	19,800,000	11,600,000	7,300,000	3,754,000	61,354,000
PAHO/WHO PORTION						
Personnel costs and travel	107,893	115,555	114,828	122,000	124,000	584,276
Supplies and equipment	37,000	37,000	37,000	30,000	25,000	166,000
Fellowships	2,800	2,800	2,800	2,800	1,400	12,600
Grants and others	850	850	850	850	850	4,250
SUB-TOTAL PAHO/WHO	148,543	156,205	155,478	155,650	151,250	767,126

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	74,243	75,005	77,278	120,000	120,000	466,526
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	74,300	81,200	78,200	35,650	31,250	300,600
TOTAL	148,543	156,205	155,478	155,650	151,250	767,126

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	3	3	3	3	3
Sanitary Engineer	1	1	1	1	1
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	2	2	2	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	6	6	6	6	6

OBSERVATIONS

UNICEF participates in this program.

A problem of low-level persistent transmission in extensive areas exists in this program, although the major portion of the malarious areas have been in consolidation for some years. A program envisaging DDT-spraying plus highly intensive methods of case-detection and radical cure has been elaborated but awaits the provision of adequate funding, which the government is trying to arrange. PAHO/WHO supports experiments with various attack methods (see following pages, Mexico-0201 and AMRO-0210).

PAHO provides the services of consultants and anti-malarial drugs, and WHO/TA underwrites the services of medical officers.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Mexico - O201  
Malaria Eradication in Problem Areas

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	400,000	400,000	250,000	-	-	1,050,000
GOVT. AND OTHER SOURCES	250,000	250,000	250,000	-	-	750,000
PAHO/WHO PORTION						
Personnel costs and travel	-	-	-	-	-	-
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	150,000	150,000	-	-	-	300,000
SUB-TOTAL PAHO/WHO	150,000	150,000	-	-	-	300,000

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	-	-	-	-	-
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	150,000	150,000	-	-	-	300,000
WHO-TA	-	-	-	-	-	-
TOTAL	150,000	150,000	-	-	-	300,000

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	-	-	-	-	-

OBSERVATIONS

This project supports several pilot projects of experimental measures for attacking the persistent but usually low-level transmission in Mexican problem areas. One method, of which trial was begun in 1964, is the Pilot Plan of Integrated Attack which consists of 4-monthly cycles of DDT spraying and intensive monthly case-finding with immediate radical-cure treatment of all cases and suspects, together with additional measures when necessary. A second method (PRIAL) is being tried in another area, beginning January 1966, in which the area is divided into individual sectors each under the personal responsibility of one sprayman-evaluator. A third method, for which the trial is yet to be initiated, is planned to combine routine spraying with collective treatment with pyrimethamine-primaquine, in an area with moderate DDT-resistance.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Nicaragua

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,906,930	1,924,190	1,526,913	1,298,400	776,000	7,432,433
GOVT. AND OTHER SOURCES	1,780,000	1,780,000	1,380,000	1,150,000	650,000	6,740,000
PAHO/WHO PORTION						
Personnel costs and travel	114,530	131,790	134,513	136,000	120,000	636,833
Supplies and equipment	11,000	11,000	11,000	11,000	6,000	50,000
Fellowships	1,400	1,400	1,400	1,400	-	5,600
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	126,930	144,190	146,913	148,400	126,000	692,433

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	59,032	59,788	60,544	60,400	50,000	289,764
WHO-Reg.	67,898	84,402	86,369	88,000	76,000	402,669
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	126,930	144,190	146,913	148,400	126,000	692,433

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	2
Sanitary Engineer	1	1	1	1	1
Entomologist	1	1	1	1	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	3	3
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	7	7	7	7	6

OBSERVATIONS

UNICEF and AID participate in this program.

Grave problems of double-resistance of vectors to insecticides which have arisen in this program have made necessary the use of various attack measures as alternatives to standard sprayings. Malathion has been used in some areas, larviciding in others, and limited collective treatment programs in some localities. Insufficient funds have prevented wide-spread application of adequate attack measures. Funds have now been assured for 1966-1968 and a satisfactory level of attack has been carefully planned.

PAHO/WHO provides the services of consultants, anti-malarial drugs to treat cases and for the elimination of foci, and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Panama

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,549,029	1,408,534	1,082,831	714,400	592,000	5,346,794
GOVT. AND OTHER SOURCES	1,430,000	1,284,000	956,000	650,000	530,000	4,850,000
PAHO/WHO PORTION						
Personnel costs and travel	109,629	115,134	117,431	56,000	58,000	456,194
Supplies and equipment	8,000	8,000	8,000	7,000	4,000	35,000
Fellowships	1,400	1,400	1,400	1,400	-	5,600
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	119,029	124,534	126,831	64,400	62,000	496,794

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg	-	-	-	-	-	-
PAHO-SMF	36,972	37,460	37,948	64,400	62,000	238,780
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	82,057	87,074	88,883	-	-	258,014
WHO-TA	-	-	-	-	-	-
TOTAL	119,029	124,534	126,831	64,400	62,000	496,794

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	1	1	1	-	-
Entomologist	1	1	1	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	1	1	1	-	-
TOTAL	7	7	7	3	3

OBSERVATIONS

UNICEF participates in this program.

Attack measures have met with success in most parts of the country but a number of small areas of persistent transmission continue, primarily because of excito-repellency effects of DDT on the vector and open housing and colonization. Poor administration and operation have obtained in the past; some improvement was made in this respect in 1965, but financial difficulties continued to hamper the program. Adequate budgets for 1966-1968 are in process of provision.

PAHO/WHO provides the services of consultants, anti-malarial drugs for treatment of cases, and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Paraguay

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	885,502	1,139,108	1,170,624	1,205,900	889,500	5,290,634
GOVT. AND OTHER SOURCES	819,000	1,062,000	1,084,000	1,127,000	804,000	4,896,000
PAHO/WHO PORTION						
Personnel costs and travel	61,602	72,208	81,724	74,000	83,000	372,534
Supplies and equipment	3,500	3,500	3,500	3,500	2,500	16,500
Fellowships	1,400	1,400	1,400	1,400	-	5,600
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	66,502	77,108	86,624	78,900	85,500	394,634

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	73,400	85,500	158,900
PAHO-SMF	66,502	77,108	86,624	5,500	-	235,734
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	66,502	77,108	86,624	78,900	85,500	394,634

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	1	1	1	1	1
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	3	3	3	3	3
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	5	5	5	5	5

OBSERVATIONS

This program, which was suspended in 1961, has not yet been able to re-initiate attack measures. Geographical reconnaissance has been energetically carried out during 1965. The beginning of attack phase, programmed for late 1966, is dependent upon obtention of an adequate budget; the Government is studying methods for providing this.

PAHO will provide the services of consultants, anti-malarial drugs and fellowships. UNICEF will participate if attack phase is satisfactorily begun.

## ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

## Peru

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	1,465,982	1,467,662	769,342	607,400	383,400	4,693,786
GOVT. AND OTHER SOURCES	1,350,000	1,350,000	650,000	550,000	330,000	4,230,000
PAHO/WHO PORTION						
Personnel costs and travel	96,082	97,762	99,442	46,000	48,000	387,286
Supplies and equipment	15,000	15,000	15,000	10,000	4,000	59,000
Fellowships	4,900	4,900	4,900	1,400	1,400	17,500
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	115,982	117,662	119,342	57,400	53,400	463,786

## SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	57,400	53,400	110,800
PAHO-SMF	115,982	117,662	119,342	-	-	352,986
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	115,982	117,662	119,342	57,400	53,400	463,786

## PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	1	1	1	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	4	4	4	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	6	6	6	3	3

## OBSERVATIONS

UNICEF participates in this campaign.

Apart from some outbreaks in consolidation areas in 1965, the principal problems of this campaign stem from the operational difficulties of mounting a thorough and effective spraying campaign in the fluvial area of the Amazon basin with its dispersed and primitive population. No technical problems have arisen.

In addition to the services of consultants, PAHO provides anti-malarial drugs and fellowships.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
British Guiana

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	68,544	74,580	75,217	-	-	218,341
GOVT. AND OTHER SOURCES	50,000	47,000	47,000	-	-	144,000
PAHO/WHO PORTION						
Personnel costs and travel	18,044	27,080	27,717	-	-	72,841
Supplies and equipment	500	500	500	-	-	1,500
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	18,544	27,580	28,217	-	-	74,341

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	18,544	27,580	28,217	-	-	74,341
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	18,544	27,580	28,217	-	-	74,341

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	1	2	2	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	1	2	2	-	-

OBSERVATIONS

UNICEF participates in this program.

Two-thirds of the remaining interior areas still in attack were placed in consolidation phase during 1965, and the chloroquinated salt program was terminated in the entire country. Spraying is still being carried out in the Rupununi area, with excellent results. It is expected that this area will be placed in consolidation in 1967.

PAHO provides the services of one or two sanitary inspectors and drugs for radical cure treatment.



ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
British Honduras

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	45,884	46,769	35,000	-	-	127,653
GOVT. AND OTHER SOURCES	35,000	35,000	35,000	-	-	105,000
PAHO/WHO PORTION						
Personnel costs and travel	10,384	11,269	-	-	-	21,653
Supplies and equipment	500	500	-	-	-	1,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	10,884	11,769	-	-	-	22,653

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	10,884	11,769	-	-	-	22,653
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	10,884	11,769	-	-	-	22,653

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	1	1	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	1	1	-	-	-

OBSERVATIONS

UNICEF participates in this program.

A serious outbreak in mid-1965 in the southern Toledo district, sparked by imported cases from a neighboring country made extension of consolidation phase through 1968 necessary. The outbreak has been controlled, but wide-spread seeding of P. falciparum occurred in the area. The small focus in the Orange Walk district has been submitted to collective treatment.

PAHO will provide the services of a sanitary inspector and drugs for radical-cure and collective treatment.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

French Guiana

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	97,000	61,000	46,000	31,000	26,000	261,000
GOVT. AND OTHER SOURCES	96,000	60,000	45,000	30,000	25,000	256,000
PAHO/WHO PORTION						
Personnel costs and travel	-	-	-	-	-	-
Supplies and equipment	1,000	1,000	1,000	1,000	1,000	5,000
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	1,000	1,000	1,000	1,000	1,000	5,000

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	1,000	1,000	1,000	1,000	1,000	5,000
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	1,000	1,000	1,000	1,000	1,000	5,000

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
TOTAL	-	-	-	-	-

OBSERVATIONS

Attack measures continue in this program particularly in border areas.

PAHO provides drugs for treatment of cases.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Surinam

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	467,772	458,321	460,065	321,800	248,700	1,956,658
GOVT. AND OTHER SOURCES	312,000	315,000	315,000	205,000	155,000	1,302,000
PAHO/WHO PORTION						
Personnel costs and travel	125,872	113,421	115,165	100,000	85,000	539,458
Supplies and equipment	25,000	25,000	25,000	14,000	8,000	97,000
Fellowships	4,200	4,200	4,200	2,100	-	14,700
Grants and others	700	700	700	700	700	3,500
SUB-TOTAL PAHO/WHO	155,772	143,321	145,065	116,800	93,700	654,658

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	155,772	143,321	145,065	116,800	93,700	654,658
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	155,772	143,321	145,065	116,800	93,700	654,658

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	1	-	-	-	-
Health Educator	1	1	1	1	1
Sanitary Inspector	2	2	2	2	2
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	2	2	2	1	-
TOTAL	7	6	6	5	4

OBSERVATIONS

UNICEF participates in this campaign.

In the difficult interior area, in which refusals to permit spraying have prevented successful attack, a pilot project of chloroquinated salt distribution has been started. Distribution methods have been adapted to the necessities of the region and the salt has achieved good acceptance. Cautious extension of the program is scheduled, and if successful on the Upper Surinam River area where is now being tried, it will be extended also to the other rivers where attack with insecticide has been only partially possible.

PAHO provides the services of consultants, one of whom functions as director of the service, and also anti-malarial drugs and fellowships.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
Project AMRO -0200  
Malaria Technical Advisory Team

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	163,642	167,006	176,370	157,300	161,300	825,618
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	136,342	139,706	149,070	130,000	134,000	689,118
Supplies and equipment	1,000	1,000	1,000	1,000	1,000	5,000
Fellowships	-	-	-	-	-	-
Grants and others	26,300	26,300	26,300	26,300	26,300	131,500
<b>SUB-TOTAL PAHO/WHO</b>	163,642	167,006	176,370	157,300	161,300	825,618

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	139,100	145,053	151,031	157,300	161,300	753,784
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	24,542	21,953	25,339	-	-	71,834
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	163,642	167,006	176,370	157,300	161,300	825,618

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	4	4	4	3	3
Sanitary Engineer	-	-	-	-	-
Entomologist	1	1	1	1	1
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	1	1	1	1	1
<b>TOTAL</b>	6	6	6	5	5

**OBSERVATIONS**

This project is designed to provide consultation and technical advice to the Governments with reference to aspects of their eradication programs which do not require long-term consultants and to provide supervision of the activities of international personnel assigned to the country programs. During 1965, a meeting of the PAHO Advisory Committee on Malaria Eradication was held in Washington to evaluate activities in the Region.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
Project AMRO -0203  
Malaria Technical Advisory Services (Zone III)

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	121,987	122,997	124,635	127,000	129,000	625,619
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	118,207	120,997	122,635	125,000	127,000	613,839
Supplies and equipment	3,780	2,000	2,000	2,000	2,000	11,780
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
<b>SUB-TOTAL PAHO/WHO</b>	121,987	122,997	124,635	127,000	129,000	625,619

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	-	-	53,000	-	53,000
WHO-Reg.	-	-	-	74,000	129,000	203,000
WHO-MESA	121,987	122,997	124,635	-	-	369,619
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	121,987	122,997	124,635	127,000	129,000	625,619

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	2	2	2	2	2
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	1	1	1	1	1
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	2	2	2	2	2
<b>TOTAL</b>	5	5	5	5	5

**OBSERVATIONS**

This project complements the technical assistance provided to the individual country programs of Zone III. In addition to guiding the activities of country project malaria personnel, the chief of the project functions as secretary to the Working Group on Coordination established by the Ministers of Health of Central America and Panama to coordinate the campaigns of the six countries.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**

**Project AMRO -0204  
Malaria Technical Advisory Services (Zone IV)**

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	24,834	24,711	25,588	27,000	28,000	130,133
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	24,834	24,711	25,588	27,000	28,000	130,133
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
<b>SUB-TOTAL PAHO/WHO</b>	24,834	24,711	25,588	27,000	28,000	130,133

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	24,711	25,588	27,000	28,000	105,299
PAHO-SMF	24,834	-	-	-	-	24,834
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	24,834	24,711	25,588	27,000	28,000	130,133

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	1	1	1	1	1
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	1	1	1	1	1

**OBSERVATIONS**

The medical officer of this project supplies technical guidance to the country programs and their consultants in Zone IV. He also acts as chief consultant to the Malaria Eradication Program of Colombia.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS

Project AMRO -0209  
Insecticide Testing Team

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	163,320	168,243	175,700	161,000	-	668,263
GOVT. AND OTHER SOURCES	-	-	-	-	-	-
PAHO/WHO PORTION						
Personnel costs and travel	86,320	102,243	109,700	95,000	-	393,263
Supplies and equipment	26,600	15,600	15,600	15,600	-	73,400
Fellowships	-	-	-	-	-	-
Grants and others	50,400	50,400	50,400	50,400	-	201,600
SUB-TOTAL PAHO/WHO	163,320	168,243	175,700	161,000	-	668,263

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	-	-	161,000	-	161,000
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	163,320	168,243	175,700	-	-	507,263
WHO-TA	-	-	-	-	-	-
TOTAL	163,320	168,243	175,700	161,000	-	668,263

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	2	2	2	2	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	3	3	3	2	-
Others	-	-	-	-	-
TOTAL	5	5	5	4	-

OBSERVATIONS

The aim of this project is the testing of new candidate insecticides and larvicides. During 1965 village-scale trials of OMS-33, a carbamate insecticide previously lab-tested, have been carried out in order to investigate the work-load that can be carried by spraymen without danger of toxic effects, the effectiveness of protective measures, and the possible effects on villagers.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
**Project AMRO -0210**  
**Malaria Eradication Epidemiology Team**

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	97,441	82,731	87,941	89,600	91,600	449,313
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	94,841	80,131	85,341	87,000	89,000	436,313
Supplies and equipment	2,300	2,300	2,300	2,300	2,300	11,500
Fellowships	-	-	-	-	-	-
Grants and others	300	300	300	300	300	1,500
<b>SUB-TOTAL PAHO/WHO</b>	97,441	82,731	87,941	89,600	91,600	449,313

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	-	-	89,600	91,600	181,200
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	97,441	82,731	87,941	-	-	268,113
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	97,441	82,731	87,941	89,600	91,600	449,313

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	4	2	2	2	2
Sanitary Engineer	-	-	-	-	-
Entomologist	2	2	2	2	2
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	6	4	4	4	4

**OBSERVATIONS**

This project is providing technical guidance and evaluation of the Pilot Project of Integrated Attack, which is supported under Mexico-0201. The Epidemiology Team will continue with the evaluation of other non-routine attack measures when evaluation of this project is complete.



**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**

Project AMRO-0211

Seminar on the Role of Local Health Services in the Malaria Eradication Programs

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	-	96,208	-	-	-	96,208
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	-	-	-	-	-	-
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	-	96,208	-	-	-	96,208
<b>SUB-TOTAL PAHO/WHO</b>	-	96,208	-	-	-	96,208

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	-	96,208	-	-	-	96,208
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	-	96,208	-	-	-	96,208

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-

**OBSERVATIONS**

In 1964 and 1965 seminars were held to determine the role of local health services in malaria eradication. In 1967 the results of these seminars will be reviewed and the possibility of expansion of rural health services to cover the areas in final stages of consolidation will be discussed. Participants will be from the General Health Services and the Malaria Eradication Services, as in the previous seminars.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
Project AMRO -0214  
Advance Course in Malaria Epidemiology

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	24,000	20,000	20,000	-	-	64,000
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	-	-	-	-	-	-
Supplies and equipment	-	-	-	-	-	-
Fellowships	14,000	14,000	14,000	-	-	42,000
Grants and others	10,000	6,000	6,000	-	-	22,000
<b>SUB-TOTAL PAHO/WHO</b>	24,000	20,000	20,000	-	-	64,000

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	24,000	20,000	20,000	-	-	64,000
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	24,000	20,000	20,000	-	-	64,000

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-

**OBSERVATIONS**

As a sequel to the Advanced Course on the Epidemiology of Malaria Eradication given in 1965 for malariologist advisers of the American Region to bring them up to date on the complex problems of late attack and consolidation phases, annual courses on similar problems are to be given for national program epidemiologists. An average of ten fellowships will be given per course.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
Project AMRO -0216  
Research in Epidemiology of Malaria Eradication in Problem Areas

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	108,000	108,000	108,000	-	-	324,000
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	68,000	68,000	68,000	-	-	204,000
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	40,000	40,000	40,000	-	-	120,000
<b>SUB-TOTAL PAHO/WHO</b>	108,000	108,000	108,000	-	-	324,000

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	108,000	108,000	108,000	-	-	324,000
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	108,000	108,000	108,000	-	-	324,000

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-

**OBSERVATIONS**

This project is designed to provide short-term consultants and contractual services for the testing and evaluation of non-routine methods of attack which can be used in areas where routine house-spraying cannot interrupt transmission. Study of the epidemiology and possible expansion of strains of P. falciparum resistant to chloroquine will also be studied and field tests made of methods for the radical cure of strains resistant to chloroquine and to other synthetic anti-malarial drugs. These studies are expected to be carried out in association with AID funds for malaria research.

**ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS**  
Project AMRO -0217  
Field Investigations of Mass Drug Treatment

	1966	1967	1968	1969	1970	TOTAL
<b>TOTAL COST</b>	60,000	60,000	60,000	-	-	180,000
<b>GOVT. AND OTHER SOURCES</b>	-	-	-	-	-	-
<b>PAHO/WHO PORTION</b>						
Personnel costs and travel	17,000	17,000	17,000	-	-	51,000
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	43,000	43,000	43,000	-	-	129,000
<b>SUB-TOTAL PAHO/WHO</b>	60,000	60,000	60,000	-	-	180,000

**SOURCES OF PAHO/WHO FUNDING**

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	-	-	-	-	-	-
PAHO-SMF	60,000	60,000	60,000	-	-	180,000
WHO-Reg.	-	-	-	-	-	-
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
<b>TOTAL</b>	60,000	60,000	60,000	-	-	180,000

**PAHO/WHO PERSONNEL**

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	-	-	-	-	-
Sanitary Engineer	-	-	-	-	-
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-

**OBSERVATIONS**

Field investigations of the feasibility of collective treatment programs with drug combinations other than chloroquine-primaquine which is in wide use and chloroquine-pyrimethamine which is used in Haiti will be carried out in pilot areas under this project. A trial with primaquine-pyrimethamine is being carried out in cooperation with the Gorgas Memorial Laboratory in Panama beginning in 1966.

ESTIMATED REQUIREMENTS FOR MALARIA ERADICATION IN THE AMERICAS  
Malaria Eradication Branch

	1966	1967	1968	1969	1970	TOTAL
TOTAL COST	219,885	218,690	228,199	260,000	268,000	1,194,774
GOVT. AND OTHER SOURCES	-	-	-	-	-	-
PAHO/WHO PORTION						
Personnel costs and travel	219,885	218,690	228,199	260,000	268,000	1,194,774
Supplies and equipment	-	-	-	-	-	-
Fellowships	-	-	-	-	-	-
Grants and others	-	-	-	-	-	-
SUB-TOTAL PAHO/WHO	219,885	218,690	228,199	260,000	268,000	1,194,774

SOURCES OF PAHO/WHO FUNDING

SOURCE	1966	1967	1968	1969	1970	TOTAL
PAHO-Reg.	76,838	80,878	82,431	85,000	88,000	413,147
PAHO-SMF	15,506	15,956	16,406	15,000	17,000	79,868
WHO-Reg.	127,541	121,856	129,362	160,000	163,000	701,759
WHO-MESA	-	-	-	-	-	-
WHO-TA	-	-	-	-	-	-
TOTAL	219,885	218,690	228,199	260,000	268,000	1,194,774

PAHO/WHO PERSONNEL

CATEGORY	1966	1967	1968	1969	1970
Medical Officer	3	3	3	4	4
Sanitary Engineer	1	1	1	1	1
Entomologist	-	-	-	-	-
Health Educator	-	-	-	-	-
Sanitary Inspector	-	-	-	-	-
Entomologist Assistant or Entomology Aide	-	-	-	-	-
Others	11	11	11	13	13
TOTAL	15	15	15	18	18

OBSERVATIONS

Coordination of the program throughout the hemisphere is made by the Headquarters ME staff, which also directs, advises and supervises international field personnel. Headquarters personnel participate in the evaluation of progress in country campaigns, give advice on specialized problems and provide technical guidance for operational research projects.



# XVII Pan American Sanitary Conference

## XVIII Regional Committee Meeting



Washington, D. C., U.S.A.  
September-October 1966

Provisional Agenda Item 21

CSP17/6 (Eng.)  
24 August 1966  
ORIGINAL: SPANISH

### INTERNATIONAL TRANSPORTATION OF HUMAN REMAINS

At its 54th meeting the Executive Committee considered the draft standards for the international transportation of human remains prepared by an Expert Committee which had met in Washington, D.C., from 13-15 December 1965.

The standards were submitted to a Working Party of the Executive Committee composed of representatives of Jamaica, Mexico and Venezuela, which prepared a revised draft. For its part, the Executive Committee, in its eighth plenary session, made a detailed examination of the Working Party's report and approved Resolution XVIII (see Annex I), to the effect that the revised standards should be submitted to the XVII Pan American Sanitary Conference, together with a report on the observations made by the members of the Committee in the course of the discussion of the item. In implementation of the above-mentioned resolution, Document CE54/17 and the corresponding part of Document CE54/27 (see Annexes II and III) are being submitted to the Conference.

A summary of several points which arose during the consideration of the revised standards is given below. In the first place, the Representative of Guatemala pointed out that, according to Regulation 6, where death is due to a quarantinable disease, proper embalming is required, whereas Regulation 2 appears to exclude transportation between frontier districts from that requirement.

The Representative of Panama was of the opinion that Regulation 4, paragraph a), would be incomplete if it did not specify that the official certificate of cause of death should be a medical certificate issued by a medical practitioner. This view was supported by the Representative of Ecuador, who requested the inclusion of a further requirement namely, that the documents should be countersigned and a duly certified certificate of death should be obtained from the Consulate of the country in which the remains were to be buried.

The Observer from Chile made two reservations in the name of his Government: the first, regarding the suppression of the special certificate