

## ATTACHMENT NO. 1

## REPORT OF THE PRESIDENT, 1968

BY THOMAS D. MULHERN

The short year since we last met at New Orleans 11 months ago has been a busy one. Nevertheless, advance reports indicate that AMCA has made considerable progress, due especially to the productive efforts of the editor, the executive secretary and the other officers, and the committeemen.

The primary action programs of AMCA are concerned mainly with the development, exchange, and distribution of information beneficial to mosquito control, and *Mosquito News* is the continuing instrument used most for this purpose. Hence, the number of pages printed may be regarded as a barometer of progress. In the 28 years since publication was begun, there have been almost 9000 pages printed in 28 volumes (111 separate numbers). The annual average for the first 9 years was 172 pages; for the second 9 years 282 pages; for the third 9 years 447 pages; and for 1968 677 pages.

## MOSQUITO NEWS

Comparison with  
Average of 1st 9 Years

Average annual number of pages per volume	Ratio of Gain	% Increase
1st 9 years—172	1.0	0
2nd 9 years—282	1.6	64
3rd 9 years—447	2.6	160
1968 only—677	3.9	294

The executive secretary has already reported the practical and financial success of Bulletin No. 2, revised by a committee under the leadership of A. J. Rogers. This Bulletin has been very well received and is already returning a profit to the treasury.

Bulletin No. 3, revised by a committee under the chairmanship of Eugene Gerberg is said to be ready for publication within a few months.

The committee which has been working under the chairmanship of Paul J. Hunt, on the updating of Bulletin No. 1, will submit a constructive proposal and time schedule, which if approved should allow for the printing of this revision by the time of the next annual meeting, with sections included to add workable descriptions of the new airspray technology. P. Bruce Brockway, Chairman for the Yearbook, will submit a recommendation for its updating.

The chairman of the Editorial Board, Dr. Kenneth L. Knight, has commented upon the continuing need for a "glossary of terms" to insure uniform usage and will include in his report a recommendation that consideration be given to the development of such a glossary, either as a separate publication, or to be published in *Mosquito News*.

Perhaps the next best indicator of progress is the list of members and subscribers: recovery from the shock of increased rates has been achieved, and the total number of members and subscribers is again hovering at about 2000. Acknowledgment is made especially to J. D. Gorman, Chairman, and the members of the Membership Committee.

Francis P. Creadon, reporting for the committee on advertising in *Mosquito News*, and A. F. Geib for the committee on special publications merchandising and advertising have good successes to report.

The sustaining membership committee was assigned a task which demands extraordinarily good judgment and planning, and although its Chairman, Robert E. Bartnett, was incapacitated by serious illness and probably cannot attend this meeting, a progressive report will be submitted for the guidance of the Board of Directors.

Although the primary purpose of this

non-profit corporation is not one of making money or accumulating surpluses, the rate at which functional programs can be advanced is based partly upon financial stability. Therefore, the fact that the Association is ending this year with bank balances approximately \$10,000 higher than any previous time in its history is worthy of special note. This allows consideration to be given to expanded programs and better support for existing ones. For example, a substantial increase in budget to provide much needed increase in expert secretarial-clerical help for the editor could somewhat lessen the burden which he carries personally. Also, it is evident that the number of pages in *Mosquito News* can be expected to continue to increase.

There appears to be rather general agreement that the time has come for establishing a definite plan by which all of the business management activities can be consolidated in one central office, within a reasonable length of time, with full-time paid staff and a full-time business manager. In the interim period, while such a plan is evolving, the added burden due to the enlarged volume of business would appear to indicate that additional office support should be provided the Executive Secretary. Furthermore, with added secretarial service, it would be possible for his office to conduct a campaign for library, health department and government agency subscriptions to *Mosquito News* and to collaborate more fully with the membership committee in soliciting new members.

The Good Neighbor Club, Chairman James B. Gahan, and the Employment Committee, Chairman T. Wayne Miller, are more concerned with qualitative rather than quantitative results; their analysis of the year's efforts will be valuable for planning future action.

Chairman Allen S. West will present for consideration a plan resulting from a great deal of thought by the Research and Development Committee for making the activities of the committee more meaningful.

The deliberations and exchanging of

views which have been promoted by the "Expanded Scope" Committee have led to reasonably clear recognition of the fact that AMCA is expanding substantially, both in geographic scope and in subject matter; the questions remaining being chiefly those concerned with titles and "labels," and those related to the manner in which expansion shall be accommodated within the framework of the organization of AMCA. As chairman, Jay Graham is prepared to present the advice of the committee to the Board.

The Policy Council, under the leadership of Glen Collett, has considered a variety of matters relating to the future of AMCA and to the manner in which it may most effectively pursue its objectives in a comprehensive way. There may be no simple, easy criteria for determining the "best" way to meet the problems of the future, but the advice of the Policy Council may provide the guide lines for the decisions which directly affect the immediate future.

The Armed Services Committee, Captain J. M. Hirst, Chairman, has significant statistics to present, indicating that Armed Forces personnel make up a substantial portion of the membership and the World Wide Programs Committee, Donald R. Johnson, Acting Chairman, has definite action programs to propose. Both of these committees represent segments of the expanding horizons of AMCA. Together, they direct attention to the fact that there is a broad field for enlarged service by facilitating the flow of knowledge of mosquitoes and their control from the extraordinary pool of knowledge represented by the membership to the areas and problems of need. In preparing a statement descriptive of AMCA, which I was privileged to present at a plenary session of the Eighth International Congresses of Tropical Medicine and Malaria held in Iran in September, I attempted to determine the extent of the knowledge resources of AMCA membership and estimated that the members hold a total of about 2000 university degrees and have accumulated at least 12,000 man years of mosquito con-

trol experience! I should like to recommend that this paper be published in *Mosquito News*. Representation at the Iran Congresses also included two past presidents (Harry Pratt and Don Micks) and several other members.

AMCA also designated several members as delegates to the International Congress of Entomology held in Moscow in August.

The Bylaws Committee, Chairman William E. Bickley, has developed proposed amendments to the Bylaws, to bring them into accord with the changing aspects of AMCA. These amendments, if approved, could be recommended to the Association for favorable action.

Mr. John A. Mulrennan on behalf of the Legislative Committee has circulated information copies of a proposed revision of the "Federal Aid to Mosquito Control Bill," developed in an effort to bring the

proposed bill into accord with the views of a majority of the members.

The unsolved problems of gradually mounting chemical pollution of air, sea, and land environments continue to direct increasing levels of attention to all uses of chemicals, including insecticides, and particular emphasis is placed upon possible harmful effects upon wildlife. Robert L. Vannote has accepted the important task of monitoring developments in this field in order to advise the Board of Directors.

Dr. Bailey B. Pepper, as Chairman of the Resolutions Committee invites members of the Board and the committee members to provide him with copies of proposed resolutions as early as possible, so that they may be in proper form for presentation at the business meeting.

#### ATTACHMENT NO. 1A

### THE AMERICAN MOSQUITO CONTROL ASSOCIATION<sup>1</sup>

Twenty years ago, in Washington, D.C., I was a delegate to the Fourth International Congresses of Tropical Medicine and Malaria, from the then young association which I am this year humbly serving as president. In this official capacity, it is my privilege, and a great personal pleasure as well, to bring to the Eighth International Congresses of Tropical Medicine and Malaria, now convened in this beautiful, wonderful City of Teheran, the sincere greetings and the congratulations of the American Mosquito Control Association. There is with me a considerable

number of additional delegates to reinforce these greetings.

By way of orientation for those not familiar with AMCA, it is in order to explain that this has become, in fact, an international association, with approximately 20 percent of its members and subscribers to its journal located in about 100 countries other than the United States. It invites into active participating membership persons from all countries who are interested in mosquitoes and the control of mosquito-transmitted diseases. Their scientific contributions relating to research, methodology, or the practical application of mosquito control are welcomed in the pages of *Mosquito News*, quarterly journal of the association.

AMCA is not sponsored or subsidized by any government agency or by commercial interests; its support is drawn

<sup>1</sup> Presented by Thomas D. Mulhern, President, American Mosquito Control Association, at the intercongressional plenary session on "Progress of Global Malaria Eradication," Eighth International Congresses of Tropical Medicine and Malaria, Teheran, Iran, September 7-15, 1968.

primarily from the dues of its individual members and the income from subscriptions to *Mosquito News* and from the advertisements which appear therein. However, it enjoys excellent cooperation from many government agencies, the worldwide vector control organizations, and the suppliers of commercial products used in mosquito control. In effect, there is a de facto working partnership by which research workers define the needs for improved technology; commerce and industry develop the tools and materials; government and health agencies provide scientific evaluation and technical guidance in the application of valid technology; and AMCA attempts to facilitate the exchange of information among all of these participants, and the interpretation of the vast body of scientific and technical information into practical application for the good of mankind.

The strength and value of AMCA lies not in its treasury; nor in its dedicated officers or committee members, although it could not achieve its objectives without their voluntary efforts. Its contributions to the advancement of mosquito control result from the extraordinary accumulation of mosquito lore and mosquito control knowledge which resides within the membership—a resource which has come from an impressive amount of technical training and an almost incredible aggregation of practical experience in the effective control of mosquitoes of public health importance, carried out under an infinite variety of conditions. I have estimated that the members of this association hold a total of at least 2,000 university degrees, representing more than 6,000 man-years of university study. The members have also accumulated a total of at least 12,000 man-years of experience in the direction, technical guidance, and performances of effective, practical mosquito control. I believe that a way can be found for this immense resource to be made available to the worldwide programs for the control of mosquito-transmitted diseases and mosquitoes of public health importance.

Some of the information has already been made available through the pages of *Mosquito News*, and through the Special Bulletins.<sup>2</sup> But there is vastly more unpublished information available only through direct contact with individual members. In fact, several members are presently on short-term consultant assignments of this sort. The association has also taken an important step by the appointment of a special WORLDWIDE MOSQUITO/VECTOR CONTROL PROGRAMS LIAISON COMMITTEE, the responsibilities of which have been defined as follows:

"This committee is established in recognition of the greater part which vector mosquito control must play in the worldwide mosquito control and mosquito-borne disease eradication programs to hasten the attainment of the objectives of the nations which are participating in these programs. The purpose of the committee is to explore the ways in which AMCA can function with mutual benefit to facilitate making available to the areas of need the extraordinary pool of knowledge of mosquitoes and mosquito control technology which is represented within the membership of AMCA."

The committee members are: R. E. Fontaine,<sup>3</sup> USAID, NCDC, Atlanta; H. A. Rafatjah, WHO, Geneva; Hugo Jamnback, N. Y. State Education Department, Albany, N. Y. This committee would appreciate constructive suggestions which would be helpful in the task which it is performing.

In conclusion, the American Mosquito Control Association respectfully and sincerely extends to the Congresses best wishes for a highly successful and productive meeting for the improvement of the health of the world, in accordance with

<sup>2</sup> Bulletin 1—The use of aircraft in the control of mosquitoes.

Bulletin 2—Ground equipment and insecticides for mosquito control. (Revised in 1968).

Bulletin 3—Mosquito culture techniques and experimental procedures.

Bulletin 4—Organization for mosquito control.

<sup>3</sup>Dr. Donald R. Johnson agreed to serve as "Acting Chairman" of the committee beginning in November in the absence of Mr. Fontaine, on leave at Tulane University.

the inspiring definition which appears in the Preamble of the WHO Constitution:

"Health is a state of COMPLETE physical, mental and social well-being and not merely the ABSENCE of disease or infirmity."

You are cordially invited to attend the 1969 annual meeting of the American Mosquito Control Association, to be held at Williamsburg, Virginia, February 23-26, 1969.

## ATTACHMENT NO. 2

### FINANCIAL REPORT—CASH BASIS AMERICAN MOSQUITO CONTROL ASSOCIATION, INC.

#### TREASURER'S ACCOUNT

FOR THE YEAR ENDED DECEMBER 31, 1968

Board of Directors  
American Mosquito Control Association,  
Inc.  
1737 West Houston Avenue  
Visalia, California 93277

Gentlemen:

We have prepared the accompanying statement of assets, liabilities and fund balance, resulting from recorded cash transactions, of the American Mosquito Control Association, Inc. Treasurer's Account, as of December 31, 1968, and the related statement of cash receipts, disbursements and fund balance on account of income and expenses for the year then ended. Our examination, which was limited to the recorded cash transactions, was

made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying statements present fairly the assets, liabilities and fund balance of the American Mosquito Control Association, Inc. Treasurer's Account at December 31, 1968 resulting from recorded cash transactions, and the income collected and expenses disbursed during the year then ended, on a basis consistent with that of the preceding year.

Respectfully submitted,

BILL L. DUNCAN  
Certified Public Accountant

STATEMENT OF ASSETS, LIABILITIES AND FUND BALANCE  
(PRESENTED ON A CASH BASIS)  
DECEMBER 31, 1968

## ASSETS

Cash in bank—Bank of America, Selma, California:	
Commercial account	\$19,449
Savings account	6,729
Time certificates of deposit	12,000
	<hr/>
	\$38,178
	<hr/>

## LIABILITIES AND FUND BALANCE

Accrued sales tax payable	\$ 12
Accrued FICA and employees withholding tax	133
	<hr/>
	\$ 145
	38,033
	<hr/>
	\$38,178
	<hr/>

## FUND BALANCE

STATEMENT OF CASH RECEIPTS, DISBURSEMENTS AND FUND BALANCE WITH BUDGET COMPARISONS  
FOR THE YEAR ENDED DECEMBER 31, 1968

	Budget	Actual	Over (under) budget
FUND BALANCE, January 1, 1968		\$27,481	
RECEIPTS	\$16,000	\$20,413	\$ 4,413
Dues and subscriptions	5,000	6,810	1,810
Advertising	3,500	2,426	(1,074)
Reprints	825	1,519	694
<i>Mosquito News</i> —Back issues	2,000	2,000	
N.I.H. grant	4,000	2,818	(1,182)
Printing	3,000	2,255	(745)
Annual meeting	300	1,311	1,011
Bulletins		664	664
Interest		2,661	2,461
Miscellaneous	200		
	<hr/>	<hr/>	<hr/>
Total Receipts	\$34,825	\$42,877	\$ 8,052
	<hr/>	<hr/>	<hr/>

## DISBURSEMENTS

## Editor:

<i>Mosquito News</i> printing and mailing	\$20,000	\$22,731	\$ 2,731
<i>Mosquito News</i> reprints	2,500	1,648	(852)
Miscellaneous supplies	150	175	25
Clerical	2,500	500	(2,000)
Travel	225	225	

## Executive Secretary:

Postage and envelopes	350	450	100
Forms and printing	200	258	58
Office supplies	350	253	(97)
Travel	250	250	
Election expense	100	91	(9)
Clerical	2,400	2,400	
Fidelity bond	125	125	
Social security taxes, 1968	106	106	
Social security taxes, 1967		26	26

## Treasurer:

Office supplies	50	17	(33)
Audit	175	155	(20)
Travel	250	250	
Honorarium	100	100	

Totals	<u>\$29,831</u>	<u>\$29,760</u>	<u>\$ (71)</u>
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STATEMENT OF CASH RECEIPTS, DISBURSEMENTS AND FUND BALANCE WITH BUDGET COMPARISONS  
FOR THE YEAR ENDED DECEMBER 31, 1968

	Budget	Actual	Over (under) budget
DISBURSEMENTS—Totals	\$29,831	\$29,760	\$ (71)
Advertising manager:			
Postage and stationery	200	200	
Honorarium	200	200	
Travel	125	125	
Membership committee:			
Postage and stationery	200	140	(60)
Forms and printing	200	52	(148)
President's office	100		(100)
Association library	700		(700)
Bibliography:			
Postage and stationery	500	497	(3)
Forms and printing	100	100	
Other committees	100	129	29
Travel	2,469	856	(1,613)
Miscellaneous	100	266	166
Total Disbursements	<u>\$34,825</u>	<u>\$32,325</u>	<u>\$(2,500)</u>
Excess of Receipts Over Disbursements	<u>\$ -0-</u>	<u>10,552</u>	<u>\$10,552</u>
FUND BALANCE, December 31, 1968		<u>\$38,033</u>	

ACCOUNTANT'S COMMENTS  
DECEMBER 31, 1968

## ACCOUNTING BASIS

Accounting records are maintained under the double-entry system on a cash basis. Under this method revenues are recorded as they are received and expenditures are recorded as they are paid.

## CASH IN BANK OF AMERICA, SELMA, CALIFORNIA

Commercial Account: This account was reconciled with the bank statement at December 31, 1968 and confirmed directly with the depository.

Savings Account: The savings account was verified by examination of the savings passbook at December 31, 1968 and was confirmed directly with the depository.

Time Certificates of Deposit: Two TCD's, each a six month, 5% \$6,000 certificate, were examined by us and have been renewed at each maturity date. One is dated August 3, 1966 and the other November 26, 1968. Both were confirmed directly with the depository.

## INSURANCE

The following insurance was in force as of December 31, 1968. The policies were examined by us.

Coverage	Insurer	Term	Amount
Position bonds:			
Executive Secretary	Hartford	1-1-66/1-1-69	\$20,000
Treasurer	Fidelity Casualty	3-26-68/3-26-71	\$20,000
Valuable papers and records	Hartford	3-19-67/3-19-70	\$ 2,000

## ACCOUNTING RECORDS

We recommend that all financial transactions of the Association be kept under a more centralized system and be made available to the auditor so that an overall, and more meaningful, examination of the recorded cash transactions may be made.



## ATTACHMENT NO. 3

REPORT OF THE EDITOR OF *MOSQUITO NEWS*

D. L. COLLINS

1. Comparison of statistics on last two volumes (Volumes 27 and 28, for 1967 and 1968, respectively).

## Number of Pages

Section	Volume	Volume
	27, 1967	28, 1968
Articles <sup>1</sup>	388	514
Operational & Scientific Notes	20	35
Association News <sup>2</sup>	37	52
News and Notes	16	14
Bibliography	47	56
Miscellaneous <sup>3</sup>	41	6
Advertising <sup>4</sup>	100	107
Totals	649	784
Totals not including advertising	549	677

<sup>1</sup>The term "Articles" here includes "Proceedings" papers also, since they do not differ technically from those classified as "Articles."

<sup>2</sup>Includes placement (Positions Open and Positions Wanted) information.

<sup>3</sup>Includes membership list (31 pages) in 1967 and obituaries, editorials and occasional unclassified items.

<sup>4</sup>Does not include space taken by quarter and half-page advertisements placed as fillers in other sections.

The total number of pages exclusive of advertising in the volume just past, Volume 28, was an all-time high, 677, surpassing the 549 of Volume 27 by 128 pages, and exceeding the previous high (609 in Volume 26) by 68 pages. The figure for the 5th year previous, 1964, was 474 pages. Thus there has been a growth in size of some 200 pages, or an increase of 17 percent, in five years.

Naturally, the gross cost of producing *Mosquito News* rose correspondingly, although the per item charges of the printer remained the same, averaging approximately \$27.00 per page, in spite of rising costs of labor and materials. This holding down of costs has gone as far and as long as possible, however, and the higher

costs will be reflected in a general rise of 6 percent in the charges for the next volume.

It looks, therefore, as if the adoption of the system of page charges to authors, which went into effect this past year, was not only needed, but possibly came just in time to enable us to avoid financial difficulties.

It is not surprising that there have been some uncertainties and misunderstandings relative to these page charges this first year. Although the policy was announced several times, beginning a year in advance, and is described on the inside back cover of each copy, there are still authors to whom a bill for page charges seems to come as a shock.

AMCA adopted these rules after much thought and deliberation. They are patterned after rules adopted by the Entomological Society of America in 1962, but are more liberal. The ESA charges have recently been raised to \$24.00 a page for regular publication and \$42.00 a page for early publication. Neither ESA nor AMCA expects individual authors to pay the charges.

In the ESA, authors who have no grant, industrial or official funds from which the charges can be paid are expected to certify this fact upon receipt of galley proof. This action is, in effect, an application for a grant from the ESA Publication Grant Fund, and does not prejudice or delay publication. The only practical differences between ESA and AMCA practices are that AMCA does not have the formality of a Publication Grant Fund, and that, where there is more than 1 page, AMCA exempts the first page from the charges.

Calculations of charges versus costs show that ESA charges 66 percent of the costs while AMCA charges only 55 percent of the costs.

In connection with production and publication costs there are a number of points that might be made, and we are indebted to interested members for some of the suggestions. Bill Hazeltine suggests that money could be saved by having the minutes of the annual meetings mimeographed instead of included in *Mosquito News*. They could be sent out along with the occasional news letters of the President or Executive Secretary. He points out that this would have saved 45 pages in Volume 28, No. 2.

This suggestion has merit, but I seem to remember that the bylaws require that they be printed in the June number of *Mosquito News*, following the meeting. Perhaps this should be discussed in the meeting. I think I would favor a compromise, in which the minutes would appear in *Mosquito News* in a drastically abridged form, so as to have the records continuous and to conform to the bylaws.

It has become increasingly difficult to process "proceedings" papers in time for the June number of *Mosquito News*, which has been the traditional issue for carrying them. They have to receive the same treatment as other papers, namely, review by our review committee and re-submission to authors for changes if necessary. Since papers which are read at the annual

meeting are often not in final form—and are sometimes not intended—for publishing, the fact of being on the program does not guarantee publication. More than half of the "Proceedings Papers" usually have to wait for issues later than June because of revisions before submission but the June number could still be identified with the meeting by carrying some of the papers and the abridged proceedings.

I will close this report by making an apology for an oversight on my part, which should not have gone so long uncorrected. I refer to the fact that last year Mrs. Helen Louise Durkee told me that it would no longer be possible for her to continue to serve as editor of Reviews and Abstracts. Many readers have noted with regret the absence of the reviews and abstracts, and I should like to pay tribute here to Mrs. Durkee for the many hours, over many years, that she has given to AMCA and to *Mosquito News*, even after she ceased to be professionally involved in mosquito work. We hope that her interest will continue and that whenever our meetings are near enough for her to attend conveniently, she will be present to greet her many friends in the Association.

DONALD L. COLLINS

## ATTACHMENT NO. 4

### REPORT OF THE OPERATIONAL ARTICLES COMMITTEE

Although the Operational Articles Committee did not meet as a group during 1968, there were discussions of objectives and pertinent matters by correspondence with other members of the committee. As there has been no definite direction set forth by the Board of Directors it seemed desirable for the 1968 committee to attempt to define its mission, outline its objectives, and devise means to implement activities.

#### A. Definition of Mission

The committee members agreed by majority that the primary objective is to stimulate publication of evaluations and developments of an operational nature concerning new equipment and materials.

#### B. Objectives

Items of interest discussed by committee members that have come to our attention,

including certain areas for potential concentration; the chairman has made an effort to explore them and is hopeful that the objectives will stimulate a substantial increase in publication of operational papers. It is of paramount interest to the committee to brush aside a popular belief of today that only molecular or "basic" research is newsworthy or noteworthy. Accordingly, the committee sought means to encourage personnel engaged in any of the many forms of activities associated with operational mosquito control to "tell it like it is" especially when it relates to operational equipment and methodology.

To achieve a better balance in publication of applied entomology as it relates to operational work, efforts and suggestions were directed toward establishing the following areas of concentration:

1. Establish an A.M.C.A. award on a yearly basis for the best operational article submitted for publication.
2. To suggest new and separate liberal requirements for publishing operational articles.
3. Develop a list of on-going operational research or field evaluation projects, providing information about specific projects and naming persons in charge. Perhaps this effort

would serve to alert members on the need for publishing operational material.

4. Conduct a review of available unpublished reports of military research agencies including those formerly classified and now declassified. No doubt much information is lying "dormant" and could be reviewed. We recommend that liaison be established with the Research and Development Committee and the Armed Forces Liaison Committee to study this matter.

It is fully understood that this report is a very brief evaluation of the work conducted by the Operational Articles Committee. Hopefully the report will provide some basis for efforts of the succeeding committee. The Chairman accepts full responsibility for the failure of the report to point up a significant degree of advancement. However, the Committee is hopeful that some measure of accomplishment will be signaled by the acceptance of all or part of its recommendations by the Board of Directors.

LYLE E. HAGMANN  
 JACK KIMBALL  
 WAYNE C. MACHADO  
 FRANK WILSON  
 FRANK J. MURPHEY, *Chairman*

## ATTACHMENT NO. 5

### REPORT OF THE COMMITTEE FOR THE REVISION OF AMCA BULLETIN No. 1—*The Use of Aircraft in the Control of Mosquitoes*

After reviewing the progress of revision of Bulletin No. 1 since 1962, and after observing the manuscripts and mountain of correspondence which represent endless hours of work on the part of Bob Hedeem and the various authors of the manuscripts, it seems unreasonable that this hard work on the part of these individuals over the past several years be wasted.

Through polling the members of the Publications Committee and the Co-Chairman and Technical Advisor for revision of Bulletin No. 1, agreement was reached on the following procedure for expediting

completion of the revision of this special publication during the coming year.

1. The manuscripts now completed should be returned to the original authors where possible, or new authors, for updating if any is indicated.
2. The authors for the sections added or not yet completed should be selected during the Williamsburg meeting.
3. The cutoff date of September 1, 1969 should be set for completion and revision of all manuscripts by the original and/or additional authors. This date possibly could fall earlier.
4. The publication target date should be on or about January 1, 1970.
5. Every effort should be made to have Bulletin

No. 1 in print and on sale for the 1970 meeting, or earlier.

It appears wise to request the AMCA Publications Committee having to do with the contents, format and subject matter of special bulletins, to review the table of contents which has been used as the basis for the revision work until the present. This review should be made as early as possible at this meeting to determine if any changes or additions are in order. This having been settled, the revision committee can then proceed to obtain commitments from selected authors and contributors if these are needed, and can expedite the recommended procedure according to schedule.

It is surmised that some of the papers being presented at this meeting will bring forth the latest developments in ultra low volume application and other techniques, and that this information can now be included in the revision.

We recognize the necessity for a great deal of consolidation of the many assorted techniques into those few found to be most satisfactory, especially in the area of ULV application of insecticide concentrates.

We further suggest that in order for the publication to be of great practical benefit to operational personnel, this segment of the membership be strongly called upon to contribute their experience in the field

in the form of concise, workable and proven operational techniques.

The committee notes the upcoming Fourth International Agricultural Aviation Congress to be conducted August 25-29, 1969 at Queen's University, Kingston, Ontario, Canada. One or more delegates from the AMCA should attend this conference and be responsible for reporting any late-date valuable developments which should be considered for inclusion in Bulletin No. 1 to the chairman of the Revision Committee.

The pressing daily responsibilities in the ongoing of any mosquito control operation leaves a Director or manager little time to carry out creative assignments except after hours when mind and body are often fatigued. The chairman makes this realistic observation from experience, and suggests that the incoming president consider appointing a chairman for the revision of Bulletin No. 1 who may conceivably have more of the time necessary to adequately follow through with the many details for getting this important publication into print.

Respectfully submitted,

ROBERT A. HEDEEN, *Co-Chairman*  
 NORMAN B. AKESSON,  
*Technical Consultant*  
 PAUL J. HUNT, *Chairman*

## ATTACHMENT NO. 6

### REPORT OF THE COMMITTEE FOR REVISION OF AMCA BULLETIN 3

The manuscript for Bulletin 3, which will be entitled "Manual for Mosquito Rearing and Experimental Techniques" is basically completed. The acquisition of some photographs and drawings will complete the Manual and it should be on the way to the printers before June.

Perhaps consideration should be given to the idea of changing the number of the Bulletin from "3" to some other number, to avoid confusion in the literature. The

new Manual is not really a revision of Bulletin 3, but entirely rewritten and in a different style and format. I would like to recommend the number change.

The manual is to be dedicated to Helen Louise Trembley Durkee.

Respectfully submitted,

EUGENE J. GERBERG, *Chairman*

## ATTACHMENT NO. 7

## REPORT OF THE AMCA PUBLICATIONS COMMITTEE

The Publications Committee is concerned with general questions, exclusive of editorial matters, relative to all AMCA publications.

Because of strong objections by members of AMCA in certain regions, the Committee suggests that for the present no changes be made in the size of *Mosquito News*, in the type of print, and in the name, *Mosquito News*.

During the year, Editor Donald Collins raised a question regarding papers submitted by prominent workers outside the United States, after they had been "invited" by our well-traveled members to contribute to *Mosquito News*. The Committee feels that these are not "invitation papers" in the sense that they are exempted from charges. Unusual cases concerning cost could be reviewed by this Committee upon referral to us.

The Committee is pleased to note that Revised Bulletin 2 on "Ground Equipment" became available during the year; that Revised Bulletin 3 on "Culture Techniques" is nearly ready for printing; and that a target date of January 1, 1970, has been set for publication of Revised Bulletin 1 on "Use of Aircraft for Mosquito Control."

The Committee recommends that the following information be printed in all special publications of AMCA: cost of the publication and place of its availability.

GEORGE T. CARMICHAEL  
DONALD L. COLLINS  
C. DONALD GRANT  
WILLIAM S. MURRAY  
LESLIE D. BEADLE, *Chairman*

## ATTACHMENT NO. 8

REPORT ON ADVERTISING IN *MOSQUITO NEWS*

JANUARY 1, 1968 THROUGH DECEMBER 31, 1968

The figures below represent transactions during the calendar year 1968 for advertising in four numbers, Volume 28, numbers 1, 2, 3 and 4.

Number of active accounts	38
Number of pages of advertising	98 $\frac{1}{4}$
Receipts:	\$6,820.77
Expenses:	
Postage, Printing, Telephone	\$200.00

## ATTACHMENT NO. 9

REPORT OF THE 1968 MERCHANDISING AND ADVERTISING COMMITTEE,  
AMCA SPECIAL PUBLICATIONS

AMCA Bulletin No. 2, "Ground Equipment And Pesticides for Mosquito Control," went to press in June 1968. Andrew Rogers and his committee are to be

commended for their diligent efforts in producing an outstanding revision of this bulletin.

Two thousand copies were printed and

went on sale in August of 1968. Costs to-date are as follows:

Printing	\$2,848.15
Mailing	406.14
	<hr/>
	\$3,254.29

The Bulletin contained 9 commercial advertisements. Revenue from the advertisements amounted to:

Sale of 700 Bulletins as of February 1st @	\$2,270.11
\$2.00	1,400.00
	<hr/>
	\$3,670.11

Thus as of February 1, 1969 we appear to have made a profit of \$415.82 on Bul-

letin No. 2. Our Executive Secretary states that the sales on the Bulletin remain active and he estimates sales of an additional 700 copies during 1969. It is also encouraging that a good percentage is being sold abroad.

The Committee understands that Bulletin No. 3, "Laboratory Techniques," will soon be ready for publication. This should be soon thereafter followed by Bulletin No. 1, "Aircraft for Mosquito Control."

We hope to do equally well with these bulletins and solicit help and suggestions in advertising and sale to aid us in obtaining this goal.

ROBERT L. VANNOTE  
RICHARD W. FAY  
J. G. FOYLE  
THOMAS F. BAST  
ARTHUR F. GEIB, *Chairman*

## ATTACHMENT NO. 10

### REPORT OF THE MEMBERSHIP COMMITTEE

Once again the American Mosquito Control Association has experienced a healthy increase in membership during the year 1968. A net increase of 84 members was recorded from a total of 263 new members. As of February 1, 1969 the membership total was 1,988.

As in previous years the large number of the new memberships was offset by the cancellation of memberships for various reasons. During the year 1968, a total of 179 memberships were cancelled.

In reading the reports of the membership committees for the past several years one can observe a pattern or history very similar to 1968 where a substantial num-

ber of new members was offset by cancellations.

Supplies of new membership applications and information leaflets were sent to members of the Board of Directors and the membership committee, as the increased membership dues took effect. The membership committee for the coming year will have to work diligently not only to attract new members but to keep the present members of the association.

Respectfully submitted,

JAMES D. GORMAN, *Chairman*  
Membership Committee

## ATTACHMENT NO. 11

## REPORT OF THE GOOD NEIGHBOR CLUB SUB-COMMITTEE

The Good Neighbor Club has received no requests for memberships this year. However, through correspondence received by one member of the committee we did find need for help at a University in Indonesia, and assigned one membership at this institution.

We find there is little interest in the Good Neighbor Club at the present time primarily because the dollar shortage that was responsible for it being started immediately after World War II has largely disappeared. Present membership in the club has dropped from a total of 44 in 1966 to 6 in 1968. We believe the sub-committee is surplus and that it should be

discontinued. Its duties can be incorporated into those of the newly formed Worldwide Mosquito/Vector Control Program Liaison Committee. Since the main function of the latter committee is to facilitate dissemination of knowledge of mosquitoes and their control throughout the world, operation of the Good Neighbor Club could be one of their functions, if it is ever needed again.

JAMES B. GAHAN, *Chairman*  
 NORMAN G. GRATZ  
 JOHN O. STIVERS  
 DONALD JOHNSON

## ATTACHMENT NO. 12

## REPORT OF AMCA EMPLOYMENT COMMITTEE TO DATE

*Positions Desired*

Listings in December, 1968, issue of *Mosquito News*—34

(Of 34 listings shown above, 11 were placed)

Listings in March, 1969, issue of *Mosquito News*—38

*Positions Available*

Listings in December, 1968, issue of *Mosquito News*—7

(Of 7 listings of positions as above, 4 were filled)

Listings in March, 1969, issue of *Mosquito News*—4

We have received seven additional applications for positions to be listed in the June, 1969 issue of *Mosquito News*.

Requests for positions continue to far exceed job opportunities received by the Placement Service. It is recommended that employers avail themselves of this service and draw from our labor pool of well-qualified potential employees.

Respectfully submitted,

T. W. MILLER, JR., *Chairman*

## ATTACHMENT NO. 13

## REPORT OF THE COMMITTEE ON SUSTAINING MEMBERSHIP

The sustaining membership committee has no specific recommendations to make at this time.

Committee work is continuing and a report will probably be available soon for the Board of Directors and the use of the

incoming Sustaining Membership Committee.

Respectfully submitted,

ROBERT E. BARNETT, *Chairman*  
Sustaining Membership Committee

## ATTACHMENT NO. 14

## REPORT OF AMCA PUBLIC RELATIONS COMMITTEE

The Public Relations Committee must not only have a goal but also a definite set of objectives for accomplishing this goal, before further progress can be made. Past Public Relations Committees, beginning in 1965, have established this general goal. It can simply be stated as "Bringing mosquito control to the forefront of the public mind." Before proceeding to the formulation of a definite set of objectives for the accomplishment of this goal, a clearcut distinction must be made between public relations for the AMCA as a collective body and public relations for mosquito control districts as individual units.

It would not seem to be within the purview of the AMCA Public Relations Committee to be directly concerned with the public relations of the individual mosquito control districts whose personnel form the bulk of the AMCA membership. Rather, our obligations could be properly met indirectly by supplying the districts with guidelines and materials for carrying out a good public relations program and in addition by improving the image of the mosquito control movement in general. Moreover the AMCA Public Relations Committee might very well become an information bank and/or clearinghouse for mosquito control public relations material which the individual mosquito control districts could draw upon. But the responsibility of public relations for the

individual mosquito control district would remain with the district itself.

It follows then that a definite set of objectives should be formulated to accomplish and further the goals and image of the AMCA *per se*. The implementation of these objectives would then be the immediate concern of the Public Relations Committee of the AMCA. A suggested set of such objectives are listed:

1. Publicity through the major news media, including TV, newspapers, radio, and magazines, on accomplishments of mosquito control activities. Feature stories in national magazines and newspapers plus interviews and coverage by TV and radio are suggested.
2. Preparation of public relations materials including: handbooks, posters, sample proclamations, films, and slide shows. PR materials for promoting mosquito control in the form of a national Mosquito Control Week is suggested. Examples of such PR materials is available from the National Wildlife Federation, the National Clean-up-Paint-up- and Fix-up Bureau, the National Golf Foundation, and numerous others.
3. Establish a definite date of origin for applied mosquito control work in order to obtain publicity on anniversary dates.
4. Encourage favorable advertising by major vendors that are principal benefactors of mosquito control spending. There are numerous examples of such promotional advertising in nearly every magazine that one picks up today, i.e., Bell Helicopter's full page ad on "Heliports—Open A Door To The Sky." A. H. Robbins Company (a pharmaceutical house) a full page ad on "Doctors of Tomorrow." Bank of America's



- full page ad promoting fly control as benefiting the milk industry, Westinghouse's full page ad on nuclear electric power in major cities, etc. Humble Oil and Refining Co. has done just this sort of thing through their promotion of their new product "FLIT: MLO."
5. Obtain free advertising space in the public interest from the major news media and from the Advertising Council. Examples of such advertising are: Full page magazine ad on "Give the United Way" in behalf of the United Fund or Community Chest. A full page ad of Ducks Unlimited seeking contributions appearing in several national magazines. In this regard, TV and radio stations are required by law (FCC) to carry a certain amount of public service programs.
  6. The U. S. Post Office Department should be prevailed upon to issue a postage stamp on mosquito control. A 6¢ waterfowl conservation postage stamp appeared last year recognizing the accomplishments of Ducks Unlimited.
  7. Preparation of educational materials coupled with the pursuit of ways and means of incorporating mosquito control subject materials into the basic curriculum of schools and organizations such as Boy Scouts and Girl Scouts. This is an area that would require the greatest amount of work; however, it also offers the greatest long-term potential. Some areas to explore in this regard are:
    - a. Mosquito Control merit badges for Boy Scouts.
    - b. Use of mosquitoes in school Science Fair projects.
    - c. Use of mosquito as the example of an insect in general science texts.
    - d. Use of mosquito control as an example of applied entomology in science texts.
    - e. The preparation of a film on "A Career in Mosquito Control." (This would be similar to many other career films.)
    - f. The preparation of a brochure for high school students on "Careers in Mosquito Control."
    - g. The inclusion of mosquito control as a topic for school debate and speech contests.
    - h. The printing of a comic book on the subject of mosquito control with national distribution by a bottling company, etc.
    - i. The preparation of a scenario for a mosquito control skit, play, or puppet show.
    - j. The preparation of a PR handbook on ways and means a mosquito control district could carry on an educational program.
    - k. The printing of a Golden Press Guide Booklet on mosquito control.
  8. Construction of an AMCA educational exhibit on the benefits of mosquito control and

the use of this exhibit as widely as possible at national meetings where mosquito control would be of interest.

9. Consideration of the possibility of having a private business preparing and marketing AMCA emblems for jackets, arm badges, pens, coat buttons, cigarette lighters, neckties, matches, ash trays, tie tacks, pocket knives, bumper stickers, antenna flags, litter bags, windshield stickers, playing records, and stencils for sign painting.
10. Consider the possibility of having prepared a short 30 to 45 second movie appeal on preventing mosquito-borne disease by a well known movie star that could be shown in neighborhood theaters.
11. Support and cooperate with agencies whose interests overlap those of mosquito control, such as, anti-litter and clean-up and beautification groups, pollution control groups, water conservation groups, wildlife preservation groups, *et al.*

Experience has shown again and again that public opinion, informed or otherwise, can be served regardless of the true public interest. We have an obligation to inform the public with the facts for we know the facts better than anyone else. The public deserves these facts and we should provide them, for the future of mosquito control as well as the welfare of the nation's public health is at stake.

There is a crying need for better public understanding of the mosquito control industry. The question is how to communicate the great mosquito control contribution story to the broader segments of our society. *Public Relations News* defines "Public relations is the management function which evaluates public attitudes, identifies the policies and procedures of an individual or an organization with the public interest, and executes a program of action to earn public understanding and acceptance." Stated in its simplest terms "we should see that in every way we can, people are helped to know and understand mosquito control." We must have a strategy for this communication and this strategy must be viable, workable, and constructive. To be sure, this is a real challenge; however, a challenging goal is both a catalyst and a compass to continued progress. The above eleven objectives are the strategy that this

Committee recommends. The implementation of these objectives will take considerable energy, effort, time—and even money. However, this price is not too high. In fact, it is a necessary expenditure, that could even be looked at as an investment in the future of mosquito control. A start should be made as soon as possible and with each step of implementation further progress will come easier.

Letters will have to be written; telephone calls will have to be made; meetings will have to be scheduled; and requests, solicitations, persuasions—and possibly even arm twisting, will be necessary. However, certainly the future of mosquito control and the increasingly important place in today's work it is assuming is worth the effort. We strongly suggest that firm

commitments for service be obtained from the entire membership of the next Public Relations Committee. We further suggest that a timetable of reasonable target dates for implementation of objectives be established and adherence to this timetable be rigidly observed.

As chairman of this year's Public Relations Committee, I would like to take this opportunity to thank the other members of the Committee for their help.

Respectfully submitted,

ALLEN S. WEST  
WILLIAM HAZELTINE  
WILLIAM DRYDEN  
MICHAEL SHINKLE  
ROBERT W. SPENCER  
GLENN M. STOKES, *Chairman*

## ATTACHMENT NO. 15

### REPORT OF THE RESEARCH AND DEVELOPMENT COMMITTEE

The Research and Development Committee has been unable to meet as a body during the year. Except for a gathering of four members of the Committee during the E.S.A. meetings at Dallas (Dec. 1968), our deliberations have been conducted by correspondence with the attendant limitations. Unanimity of opinion has not been reached on all matters covered in this report.

We have devoted our attention to two areas:

I. A consideration of the justification of the existence of the Committee, its composition, functioning and possible terms of reference.

II. A consideration of certain specific matters such as the release of classified information, making unpublished information available, the "Federal Aid to Mosquito Control Bill," methods of assisting A.M.C.A. members to become better informed, and the encouragement of research.

#### I.

##### A. *Justification of the Existence of the Committee*

A review of past reports shows that these have for the most part been exceedingly brief and have dealt with a small number of items, usually significant developments and achievements.

We feel that this is insufficient reason for justification of the Committee. Its existence can be justified only if Terms of Reference are established and if the Committee undertakes one or more definite activities each year.

##### B. *Composition and Continuity of the Committee*

The 1968 thirteen-member Committee is probably unnecessarily large. We recommend the establishment of a nine-member Committee. If a Research and Development Committee is to function

effectively it must have a definite continuity. We recommend that three members be appointed to the Committee each year, to serve for three-year terms, with the Chairman to be appointed from among the members serving their third year. To establish such a Committee it would be necessary initially to appoint nine members, three for a one-year term (with a Chairman to be designated), three for a two-year term, and three for a three-year term.

The Committee should have a Fish and Wildlife specialist as an advisor, and possibly advisors from other disciplines.

### C. *Functioning of the Committee*

A major difficulty in the functioning of this (and other) Committee(s) is its inability to meet as a body. The opportunity for the largest number of members of the Committee gathering would be enhanced if appointments (including designation of a Chairman) could be made in advance of the Annual Meeting, at which the odds are in favour of a significant number of members being present. Such appointments should be made even for the suggested Committee with continuity, since an advantage would accrue from the possibility of having new appointees attend a meeting at the start of their term.

More advantage must be taken of the possibilities of two or more members of the Committee meeting during the year. Attendance at meetings of other organizations (e.g. E.S.A., A.I.B.S. and State Mosquito Control Organizations) may create such possibilities, as may non-meeting travel. It should be fairly simple to provide Committee members with a postal card 'Notification of Travel' form which could be used to inform all or some individuals of travel plans.

The Committee recognizes that most tasks are done by individuals even if in the name of a committee. It is suggested that an efficient Chairman should seek to have each member of his Committee accept responsibility for a partic-

ular task. What is everyone's job tends to be no one's.

Liaison should be established with relevant other committees. For the Research and Development Committee it would appear logical that liaison might be established with the Legislative Committee, the Armed Forces Liaison Committee, and the Research and Development Sub-Committee on Dispersal of Insecticides. Liaison responsibilities could be assigned to individual members of the Committee.

We recommend that the Sub-Committee on Dispersal of Insecticides should be a more formal part of the main Research and Development Committee, perhaps being established as a Working Party and reporting through the Research and Development Committee.

The creation of a new post, the Committees' Liaison Representative, is viewed favourably, although we believe that liaison will probably be effected principally by direct action between the Committees concerned.

### D. *Terms of Reference*

The following Terms of Reference for the Research and Development Committee are suggested for consideration:

1. Maintain a watching brief on needs in mosquito research and development.
2. Evaluate progress and achievements in relation to needs, and summarize the current status of mosquito research and development.
3. Through liaison with the Legislative Committee keep posted on legislation (proposed or enacted) affecting mosquito research and development, and advise the A.M.C.A. on action deemed pertinent to assist, defeat or modify such legislation.
4. Assist A.M.C.A. members to be better informed on current activities relating to mosquito research and control.
5. Seek to foster closer cooperation and greater understanding between basic researchers and mosquito control practitioners, and to create a forum by means of which practitioners can voice their problems in need of research.
6. Encourage mosquito research; particularly mission-orientated studies, and encourage recruitment of young scientists for the mosquito research field.

7. Assist on specific problems as the occasions dictate by creating Working Parties.
8. Establish liaison with other Committees to the extent advisable in order to foster the work of the Research and Development Committee.

The Committee is not suggesting that the above Terms of Reference be adopted verbatim, nor is it suggested that there could not be other Terms of Reference. However, we strongly hold the view that if the continued existence of this Committee is to be justified, it is incumbent upon the A.M.C.A. Directors to establish definite Terms of Reference for this Committee without delay. Such establishment should lead to more effective action by this Committee, to the benefit of the A.M.C.A., and in particular to mosquito control workers.

II. In a consideration of specific matters the Committee has had more difficulty in reaching agreement. We do not view differences of opinion among members with any sense of alarm. Several of the matters considered were suggested to the Committee by President Mulhern.

#### *A. Release of Classified Information*

It was suggested to the Committee that there might be much highly important formerly classified but now declassified and as yet unreleased information in the "dusty" files of military research agencies. President Mulhern furnished an example by reference to the recent release of a 1952 report on chemical anticrop aerial spray trials in which it was established that spraying was practical up to 1,000 ft. altitudes with expectation of obtaining minimum swath width of 10,000 ft. This information would have been useful in planning the California Hi-Lo Tests conducted in 1967-68.

The Committee has considered this matter in correspondence and through consultation with several authorities. It is the majority opinion that it is doubtful if there is sufficient mosquito control information of value in the classified files to justify the effort which would be required to try to obtain such information.

However, at least one member of the Committee disagrees. We recommend that this matter be considered further. Presumably any attempt to find out what information of value exists might be initiated through cooperation with the Armed Forces Liaison Committee and possibly by enlisting the aid of the Armed Forces Pest Control Board.

#### *B. The Availability of Unpublished Information*

It has been suggested to the Committee that there is in existence in various parts of the world a considerable amount of unpublished information relating to various aspects of mosquito research including control. Examples of "mines" of information in Iran and in Japan have been brought to our attention. It is agreed that quite possibly a number of mosquito workers in North America may have files of unpublished information of some value. We understand that The Military Entomology Information Service of the U.S. Armed Forces Pest Control Board has some information stored concerning unclassified and unpublished military mosquito control work.

We have considered how it might be possible to make such information available. Encouragement for "release" of information could be prosecuted by personal contacts. An avenue of informal presentation of information we feel might produce more results than pleading for formal publication. An organ such as W.H.O.'s VBC, MAL and EBL Working Paper series might well serve this purpose. W.H.O. should be contacted to determine to what extent it might be interested in expanding its information service. An alternative would be for the A.M.C.A. to establish its own "publication," recognizing that cost would be involved.

#### *C. Assisting A.M.C.A. Members to Become Better Informed*

In spite of our excellent journal and its most helpful bibliography in each issue,

and a wealth of other sources of information, it is difficult for most of us to be abreast of current activities and developments, and to be aware of all research needs, particularly those relating to mosquito control. President Mulhern dealt with this matter in a memorandum to the Committee and made several specific suggestions which we have considered.

### 1. *Current Directory of Research Projects and Research Needs Pertaining to Mosquitoes and Their Control*

The purpose of this Directory would be to:

- a. Provide a ready reference to related research projects for the convenience and exchange of information among those concerned.
- b. Provide mosquito control practitioners with an up-to-date information source on the types of research being conducted with mosquitoes, the objectives, and where this research is occurring.
- c. Present a comprehensive summary of the problems confronting control agencies in different regions and the control measures being used.
- d. Provide a means by which mosquito control practitioners can communicate their specific problems and research needs to the widest research competence.

As pointed out earlier in this Report, most work accomplished in the name of the committees is done by individuals. The Research and Development Committee is particularly grateful to one of its members, Dr. E. C. Bay, for volunteering to develop the questionnaires which could be used to accumulate information for the Directory. One questionnaire would be directed primarily to mosquito control practitioners; a second one would be directed primarily to mosquito control researchers, but include also those researchers engaged in, for example, taxonomy, physiological studies and disease transmission studies.

First drafts of these questionnaires have already been prepared. Questionnaires would be sent not only to A.M.C.A. members (although initially this limitation might be necessary), but to other known interested persons as well as to laboratories and institutions. Obviously the handling

of information returned and the compilation of a Directory might become a formidable task necessitating secretarial assistance, and thus introducing budgetary considerations. We have some reservation as to whether the majority of members will have use for the Directory or will want to pay for it.

Consideration has not yet been given to the form of publication of the Directory. Possibly it could be an A.M.C.A. Bulletin. Another possibility would be publication of a section of the Directory in each issue of *Mosquito News*, with a complete cycle every 2 or 3 years. We recognize that this project would be worthwhile only if provision was made for up-dating. Presumably an up-dating form could be distributed to A.M.C.A. members with the dues billing.

### 2. *The Needs of Mosquito Control Practitioners*

The Directory discussed above should be of considerable value to mosquito control practitioners. An alternative, or possibly an adjunct, might be a special section in *Mosquito News*, where problems in need of research could be submitted. Our feeling is that voluntary submission would probably be unproductive as compared with using a questionnaire. The implication is that the Committee feels that there is a need to "advertise" problems requiring attention. Possibly the information elicited by a questionnaire could be summarized once a year in an issue of *Mosquito News*.

### 3. *An Annual Review*

The Committee believes that a "highlights" review paper should be a part of the program of every A.M.C.A. meeting. Many people will be familiar with the "Global Events Concerning Mosquitoes" paper which is presented annually at the meetings of the New Jersey Mosquito Extermination Association by Helen Sollers-Riedel. We suggest that subject to budgetary considerations Mrs. Sollers-Rie-

del should be invited to present this same review at the A.M.C.A. meetings, with the permission of the New Jersey organization. Publication is usually delayed nearly one year; if requests for reprints by A.M.C.A. members not now on the mailing list were to become significant, our society might be in a position of having to underwrite some of the cost of reprints.

Possibly a review paper specifically devoted to mosquito control research and development, and to be published in *Mosquito News*, should be considered.

#### D. Encouraging Mosquito Research

It is implied above that making research needs more widely known (assuming that such needs are insufficiently known) would encourage research. In our opinion the big need is to encourage more bright young students to enter the field of mosquito research, and in particular research relating to control. We have been living in an age of Biochemical—Molecular Biology, with an emphasis (overemphasis?) on “fundamental” or “basic” research to the exclusion of sufficient non-molecular and applied research in many areas. The situation is perhaps nowhere better illustrated than with reference to mosquitoes. We do not suggest a major reduction in biochemical—molecular studies but rather a restoration of the proper status of non-biochemical—molecular and applied research as it relates to mosquitoes. In particular there is a need to restore the image of the economic entomologist, and to brush aside the all too common opinion that today only physiological—biochemical—molecular studies are science. We are perhaps overstating our case to make a point.

The Committee has not yet discussed in any detail how encouragement of bright young biologists might be fostered. A start might be made by way of publicity releases, and an A.M.C.A. statement which could be circulated to the Universities. Possibly at an annual meeting of the A.M.C.A. an invitation paper should be directed to this theme, with, it would be hoped, attendant T.V. and press coverage.

The Committee recognizes that if en-

couragement is given to young biologists there must be some assurance that jobs will be available in mosquito research.

#### E. Federal Aid to Mosquito Control Bill—Support of Research

The proposed bill is reviewed in detail in the Report of the 1967 Legislative Committee (*Mosq. News*, June, 1968). This bill would not provide any funds for research. The Committee has been unable to reach a consensus on the need for inclusion of research funds in the proposed bill. We are in agreement that more funds are needed for mosquito research; it does not follow that provision of research funds should be a part of any or all bills relating to mosquito control. Committee members have individual opinions on the current state of mosquito research, particularly in North America, and we have reservations that any one of us knows the entire picture. For this reason we view the proposed Directory as a need.

We recommend that the 1969 Committee consider this matter in more detail and the possible drafting of a strong resolution calling for increased support of research, citing specific examples of needed research and the expected application of results.

Some committee members feel that the possibly less than sufficiently vigorous state of mosquito research in the United States currently is far from being entirely the result of insufficient funds, and that a major problem is the lack of a sufficient number of interested researchers, particularly in the universities. In general, mosquito control agencies have provided little support for research. The view tends to be that research will be supported almost entirely by government funds. In this respect there are indications that we may be in a time of change. Closer cooperation of government, universities and mosquito control agencies is dictated. The A.M.C.A. should play a major role in fostering such cooperation. If the Association is to lobby for research funds, we must be in a position to indicate clearly and specifically the areas in which more

research is needed, and to suggest some priorities. Again, the proposed Directory may be a necessity.

The current report is a lengthy one. The Chairman assumes the entire responsibility for the fact that the report does not offer much by way of concrete accomplishment. It is our hope that our deliberations will provide a take-off point for the succeeding Committee. At the same time the Committee feels that if the A.M.C.A. Directors accept in whole or part its recommendations, and in particular establishes Terms of Reference, the existence of the Committee will become justified.

\* D. W. MICKS  
A. J. ROGERS  
\* C. H. SCHMIDT  
\* K. D. QUARTERMAN  
M. S. MULLA  
\* D. J. SUTHERLAND  
L. T. NIELSEN  
G. B. CRAIG, JR.  
E. C. BAY  
F. J. MURPHY  
\* B. V. TRAVIS  
\* W. B. HULL  
\* A. S. WEST, *Chairman*

\* Have indicated approval of this report.

## ATTACHMENT NO. 16

### REPORT OF THE RESEARCH AND DEVELOPMENT SUB-COMMITTEE DISPERSAL OF INSECTICIDES

This sub-committee has corresponded on the subject of recognizing any outstanding research and development of equipment or techniques in the dispersal of insecticides during 1968, and offers the following observations:

1. We congratulate the committee for revision of Bulletin No. 2—*Ground Equipment and Insecticides for Mosquito Control*, for successfully bringing this publication up to date.
2. Encouragement is extended to the committee for revision of Bulletin No. 1—*The Use of Aircraft in the Control of Mosquitoes*. Able members of AMCA are encouraged to assist if called upon to contribute their talents to the completion of this important revised publication.
3. Techniques and equipment for dispersing ULV insecticides by aircraft are so broadly varied that the need arises for definite specifications for application of insecticides by this method, especially where contract bidding is involved. It is therefore recommended that this subject be researched and that sample specifications together with sample contract forms be included in the upcoming revision of Bulletin No. 1.
4. The Committee recognizes that there are operational possibilities for Hi-Lo spraying and for high altitude ULV application at night,

and feels investigations should continue to be made into these techniques.

5. The Committee recognizes the importance of larvicidal methods in the control of mosquito populations and encourages continued investigations into safe materials and techniques.
6. The sub-committee recommends that standard guide lines be adopted for its function so that overlapping of interests may be avoided with the parent committee or other committees and so that the sub-committee may function as a group with definitely assigned responsibilities. It may be well to suggest also that its chairman be research oriented and yet thoroughly knowledgeable of the needs of the operational segment of the AMCA membership.

Respectfully submitted,

D. M. JOBBINS  
ARTHUR F. GEIB  
JOHN W. KILPATRICK  
ROBERT HEDEEN  
C. S. LOFGREN  
CAPT. GEORGE S. STAINS  
JACK SALMELA  
NORMAN B. AKESSON,  
*Tech. Consultant*  
PAUL J. HUNT, *Chairman*

## ATTACHMENT NO. 17

## REPORT OF THE AWARDS COMMITTEE

This report is a compilation of comments and suggestions submitted to the Chairman by individual members of the Committee.

All members who have expressed an opinion feel that the AMCA award should not be made routinely or annually. It should be reserved to honor individuals who have unquestionably made exceptional contributions to mosquito control or who have provided exceptional service to AMCA. The established pattern of simultaneously acknowledging a living member and commemorating a deceased member seems satisfactory.

No specific recommendations have been made for an award this year; however, the following names have been suggested for future consideration:

Living	Deceased
TED RALEY	L. O. HOWARD
BOB VANNOTE	W. A. RILEY
CHRIS WILLIAMSON	ROBERT MATHESON
TOMMY MULHERN	H. G. DYAR
ART LINDQUIST	L. L. WILLIAMS
HERB SCHOOF	J. A. LEPRINCE
WILLIAM BICKLEY	

Respectfully submitted:

R. L. ARMSTRONG  
T. F. BAST  
P. BELSKI  
F. L. BUTCHER  
C. M. GJULLIN  
E. S. HATHAWAY  
E. E. LYNCH  
R. J. WILSON  
A. D. HESS, *Chairman*

## ATTACHMENT NO. 18

## REPORT OF THE LEGISLATIVE COMMITTEE

The legislative committees have for many years been trying to agree on a federal mosquito control aid bill which would be acceptable to all mosquito control workers. This has been a most difficult job since there are many federal and state agencies involved in mosquito control and in related activities on which mosquito control has a direct bearing.

The chairman and his committee have worked diligently over the last two years, and are herewith presenting a mosquito control aid bill on which there is substantial agreement. It is the committee's hope that this bill will be acceptable to the Executive Committee, as well as all other members of the American Mosquito Control Association.

The bill provides 50-50 matching funds to states, up to two million dollars for any one state, for mosquito control opera-

tions being carried out in the state. Where states do not have active mosquito control programs or do not cooperate with local areas in mosquito control operations, funds can be released directly to local mosquito control districts or other local operating agencies. The last provision was recently agreed upon by the committee, since in many states there is no state agency involved in mosquito control; therefore, the U. S. Public Health Service could work directly with the local area responsible for mosquito control.

All methods of mosquito control carried out with federal funds would be those methods agreed upon by the U. S. Department of Interior and the U. S. Department of Agriculture, and U. S. Public Health Service.

Under the Act, the U. S. Public Health Service could receive one million dollars



a year for three years for administering the overall program, and could also utilize these funds for consultant purposes, and for carrying out demonstration projects in states or local areas on methods of control which have been recently developed and require field testing.

It is the opinion of the chairman that

this bill, if enacted, could develop into a worthwhile program that could be most beneficial to the nation and would help to solidify mosquito control throughout the United States and possessions.

JOHN A. MULRENNAN, *Chairman*

## ATTACHMENT NO. 18A

### A BILL

To provide for the control of mosquitoes and mosquito vectors of human disease through technical assistance and grants-in-aid for control projects.

BE IT ENACTED by the Senate and House of Representatives of the United States of America in Congress assembled.

#### SHORT TITLE

SECTION 1. This Act may be cited as the "Mosquito Control Act of 1969".

#### PURPOSE

SEC. 2. In order to promote public health and the general welfare, and to alleviate the persecution of livestock and other injurious effects on all types of agricultural activities by pestiferous mosquitoes, and to develop recreational areas and strive to build model communities with environs free of obnoxious mosquitoes and the human diseases they spread, and to provide, at the same time, useful employment, and for these humanitarian endeavors, the Congress hereby establishes a policy and program of—

(1) aiding and supporting surveys and demonstrations, with funds made available under this Act, for the purpose of assisting states and local areas in developing effective and economical mosquito control methods which have the concurrence of the U. S. Department of Agriculture and the U. S. Department of Interior; and

(2) providing grant-in-aid funds to the states through the state department designated by law or by the Governor on a 50-50 matching basis of the total local and state funds expended for mosquito control.

#### TITLE I—SURVEYS AND DEMONSTRATIONS IN GENERAL

SEC. 101. The United States Surgeon General shall—

(1) establish a program to promote and encourage cooperative activities by state and local governments in the control and elimination of mosquitoes by control methods concurred with by the interdepartmental agencies.

(2) collect and disseminate information relating to mosquitoes and the control thereof; and

(3) make available to state and local governments, and other public and private agencies and institutions, the results of any surveys, studies, investigations, or demonstrations which may be carried out by the United States Public Health Service and which relate to mosquitoes and their control.

#### SURVEYS OF SPECIFIC PROBLEMS

SEC. 102. The United States Surgeon General may, on the request of the proper department of the state or the Governor, have conducted investigations, studies,

demonstrations, and may make surveys with a view to determining the most effective methods of mosquito control with the expenditure of federal funds.

#### REPORTS

SEC. 103. The Surgeon General shall, from time to time and to the extent he considers desirable, have prepared and published reports of such surveys, studies, investigations, and demonstrations carried out under this title, together with appropriate recommendations with regard to the control of mosquitoes.

#### AUTHORIZATION OF APPROPRIATIONS

SEC. 104. To carry out the foregoing sections of this title, there is hereby authorized to be appropriated to the United States Public Health Service for the fiscal year beginning July 1, 1969, and for each of the three succeeding fiscal years the sum of \$1,000,000.

#### TITLE II—MATCHING GRANTS TO THE STATES AUTHORIZATION OF APPROPRIATIONS

SEC. 201. In order to enable the Surgeon General to assist the several states in carrying out the purpose of this Act, there is hereby authorized to be appropriated to the United States Public Health Service for the fiscal year beginning July 1, 1969, and for each of the three succeeding fiscal years, such sums as may be necessary to carry out the provisions of this title. Sums appropriated pursuant to this section shall be used in making payments to states which have submitted, and had approved by the United States Public Health Service, state plans for the control of mosquitoes.

#### STATE PLANS

SEC. 202. (a) Any state which desires to take advantage of the benefits of this title during a fiscal year may submit to the United States Public Health Service a state plan setting forth the mosquito pro-

gram to be carried out in such state during such year for the control of mosquitoes.

(b) The United States Public Health Service shall approve any state plan, and any modification thereof, which they determine to be feasible and designed to carry out the purpose of this Act.

(c) Where there is no state plan or no state activity in mosquito control programs or support thereof, a local agency or local mosquito control district may apply directly to the U. S. Public Health Service for mosquito control aid in conformity with the provisions of this Act.

#### ALLOTMENTS TO STATES

SEC. 203. Each state for which a state plan has been approved under this title before or during a fiscal year shall be entitled to an allotment from the appropriations made for such year under section 201. Sums so appropriated shall be allotted among the states by the United States Surgeon General on the basis of the extent of the mosquito control problem in each of the states; except that the allotment paid to any state under this section for any fiscal year shall not exceed whichever of the following is the lesser:

- (1) an amount equal to 50 per centum of the total cost of the state's entire mosquito control plan for the fiscal year; or
- (2) \$2,000,000.

#### PAYMENT ALLOTMENTS

SEC. 204. Payments of sums allotted to states under section 203 may be made in advance, or by way of readjustment, with necessary adjustments on account of overpayments or underpayments, except that payments to a state from funds appropriated for a fiscal year may not exceed 50 per centum of the expenses incurred by the state during that fiscal year in carrying out its state plan.

#### JUDICIAL REVIEW

SEC. (a) The United States district court for any district in which the capital

of a state is located shall have jurisdiction, as provided in this section, to grant appropriate relief in any case where any funds paid to the state under this title have been or are about to be expended in violation of this title.

(b) The court may grant such temporary relief or restraining order as it deems appropriate pending final disposition of any action under this section. If in any such action it is determined that any funds paid to the state under this title have been or are about to be expended in violation of this Act, the court shall grant a permanent injunction or other appropriate relief, including restitution of any funds so expended, or such part thereof as may be just and equitable under the circumstances of the case.

### TITLE III—GENERAL PROVISIONS DEFINITIONS

SEC. 301. For purposes of this Act—  
(1) The term "state" includes the Dis-

trict of Columbia, Puerto Rico, the Virgin Islands, and the Canal Zone, and other possessions of the United States and the Trust Territory of the Pacific.

(2) The term "mosquitoes" means mosquitoes and mosquito vectors of human disease.

### LIMITATIONS

SEC. 302. (a) Nothing in the Act shall be construed to authorize the Surgeon General to deal directly with a local government of any state without first securing the explicit consent of the state concerned, or the Governor of said state.

(b) Nothing in this Act shall be construed to limit the authority of any department, agency, or instrumentality of the United States to conduct surveys and demonstrations relating to the control and examination of mosquitoes under any other provision of law.

## ATTACHMENT NO. 19

### REPORT OF THE WORLDWIDE MOSQUITO/VECTOR CONTROL PROGRAMS LIAISON COMMITTEE

This new committee was established during 1968 "—in recognition of the greater part which vector mosquito control must play in the world-wide mosquito control and mosquito borne disease eradication programs to hasten the attainment of the objectives of the nations which are participating in these programs. The purpose of the committee is to explore the ways in which AMCA may function with mutual benefit to facilitate making available to the areas of need the extraordinary pool of knowledge of mosquitoes and mosquito control technology which is represented within the membership of AMCA."

At the present time AMCA has approxi-

mately 20 percent of its members and subscribers located in some 100 countries other than the United States. Therefore, it is apparent that this is indeed an internationally oriented organization and the need for an international committee is evident. Vector control activities have become more and more widespread throughout the world and this committee is attempting to assist such programs in every way by being a service to international programs. The committee also can provide a valuable service by acquainting the membership with such activities in order that everyone engaged in mosquito and vector control may be aware of general progress of mosquito and vector

control around the world, problems being encountered, and benefits being derived from the program.

This committee has developed several proposals which if followed may help to carry out the above objectives. The Chairman, Russell E. Fontaine, presently on leave of absence from the committee, suggested that the committee could encourage participation in AMCA by personnel outside of the United States working in malaria or other disease control programs. Publication of articles or notes by such personnel in *Mosquito News* is a form of participation that would provide opportunities for recognition of good work being done in many of the countries and may tap new resources of significant information. Undoubtedly there are many reports by malaria personnel in many countries which contain publishable information of general interest to mosquito and malaria control workers. For various reasons many of these reports probably go unnoticed. For example, such personnel may be unaware of the significance of their findings and observations. Sometimes language difficulties discourage attempts at publication, or potential authors hesitate to seek guidance in the preparation of manuscripts. If these problems could be alleviated, mutual benefit would be derived through recognition of such work and furtherance of the knowledge of mosquito and vector borne disease control and eradication worldwide.

There are several possibilities open for publication of manuscripts from other countries. One possibility is to establish an international section in the regular issue of *Mosquito News*. Pages could be set aside and devoted exclusively to papers and notes from international contributors, or perhaps these papers and notes could be published in an international supplement to *Mosquito News*.

Inquiries were sent to malaria program personnel in a few countries asking whether national personnel of the countries might wish to contribute such papers. Favorable replies were received from Brazil, Jordan, Thailand, and Vietnam to this

preliminary limited inquiry. There is a real need for such persons to have a journal in which they can publish, as evidenced by these replies.

The possibilities here are great, but the real problem is how to pay for publication in *Mosquito News*. Many of these individuals do not have funds to pay the publication costs. Perhaps it would be possible for some of the commercial companies interested in AMCA and its work to underwrite the expense of this activity. Until the problem of payment is resolved it will not be feasible to solicit manuscripts.

Several other items were considered by this committee. In March, 1966, AMCA and the National Communicable Disease Center co-sponsored a very successful "Seminar on Mosquito-borne Diseases—Past, Present, and Future" in Atlanta. It was proposed several months ago that a seminar be held again this year before and after the annual meeting of AMCA. In response to AMCA inquiries, favorable response for co-sponsorship was received from Pan American Sanitary Bureau, U. S. Department of Agriculture, California State Department of Public Health, and NCDC. However, time was too short to organize such a seminar so it was postponed to a later date, possibly in connection with the 1970 AMCA annual meeting.

Several other areas of need that can be filled by this committee include the following:

1. A list of all vector control programs, by country, with a summary of their current status, could be compiled.
2. A list of all AMCA personnel who have performed out-of-country services during the past five years, with an outline of the service, could be developed.
3. A list of AMCA personnel qualified for out-of-country services could be prepared and be made available for possible international assignments.

Finally, your Acting Chairman suggests that the Membership Sub-committee—Good Neighbor Club be combined with this committee as the objectives of both could logically be incorporated into one

committee. It would also be desirable to shorten the name of the committee. International Relations Committee, International Vector Control Committee, or International Liaison Committee are possible titles that could be considered.

HUGO JAMNBACK  
H. RAFATJAH  
RUSSELL E. FONTAINE, *Chairman*  
(on leave of absence)  
DONALD R. JOHNSON,  
*Acting Chairman*

## ATTACHMENT NO. 20

### REPORT OF COMMITTEE ON BYLAWS

The Bylaws Committee considered in some detail five suggestions made by President Mulhern and offers the following recommendations for amendments.

Article IV, Section 2, Subsection b, paragraph 2, line 5, delete the sentence reading as follows: "In the event the office of Regional Director is vacated it shall be filled by appointment of the Board of Directors."

This sentence is redundant inasmuch as Article V, Section 1, Subsection c, has a sentence which reads as follows: "Vacancy of any other office, including Regional Director, when required, shall be filled by the action of the Board of Directors." One member of the Committee made the following comment: "In order to give the AMCA representatives in any region the opportunity to exercise their choice of a regional director where the director fails to appoint a Nominating Committee, the Executive Secretary should appoint a Nominating Committee within the region. The appointed committee should then call for an election and report to the Executive Secretary. This method would be the more democratic way of choosing a new director." The majority of the Committee was of the opinion that the Board of Directors should continue to have the authority to fill vacancies.

Article IX, Delete Section 2 which

reads as follows: "Editor and staff.—The Publications Committee shall appoint the editor and any other members of his staff with the approval of the Board of Directors."

#### *And substitute:*

Section 2. Publications Committee. A Publications Committee shall be appointed by the president and shall have general responsibilities for the establishment of policies concerning all publications of the Association.

#### *Add:*

Section 3. Editorial Board, *Mosquito News*. The president shall appoint the Editorial Board, *Mosquito News*, consisting of not more than five members at least one of whom shall be a member of the Publications Committee. The Board of Directors shall appoint the editor and other staff members of *Mosquito News* after having received recommendations from the Editorial Board of *Mosquito News*. The Editorial Board, *Mosquito News*, shall collaborate with the Editor in the establishment and implementation of editorial policies and in the production of *Mosquito News*.

One member of the Committee was of the opinion that it is undesirable to outline the functions of the Publications Com-

mittee and the Editorial Board. Another member of the Committee thought it was desirable to add a sentence in Article IX as follows: "All actions of this Committee be subject to approval by the Board of Directors at the AMCA Annual Meeting."

Respectfully submitted,

ROBERT W. LAKE  
LEROY KINSEY  
ARCHIE D. HESS  
JOHN H. BRAWLEY  
WILLIAM E. BICKLEY, *Chairman*

## ATTACHMENT NO. 21

### REPORT OF THE EDITORIAL BOARD OF *MOSQUITO NEWS*

The name of this organization was changed this past year from "Publications Committee of Mosquito News" to "Editorial Board of Mosquito News." As described in the 1968 staff and committee member list issued last spring by our President, the function of the Editorial Board is, in collaboration with the editor, to develop editorial policies for *Mosquito News* and to serve as a review board to which the editor can refer any editorial question for determination. Also specified in President Mulhern's directive was that this Board appoint the staff of *Mosquito News*, subject to approval by the Board of Directors.

Regarding *Mosquito News* staff, Helen Louise Durkee has resigned as editorial assistant for the Reviews and Abstracts section. Dr. Collins was asked if we should work on the selection of a new individual for this position and in reply he suggested that we let the filling of this spot go for the time being but meanwhile to be on the lookout for a suitable individual. To date, no further action has been taken on this matter.

Once again the question has come up concerning the propriety of publishing articles that have previously appeared unchanged as a WHO processed paper. The general opinion of our group is that WHO papers are bonafide publications and should not be accepted for publication in *Mosquito News*, even if all publication costs are paid by the author. Publication

space remains at an all time premium and should not be used for republishing articles.

One of our members (J.R.W.) made some very cogent remarks on this subject. Stating first that the prepublication releases by WHO often serve a very useful purpose, he went on to say that WHO processed releases could be made more palatable for subsequent journal publication if their disclaimer statement was modified to read:

*This is a preliminary draft, subject to modification. The issue of this document does not constitute publication. It should not be reviewed, abstracted, cited or quoted without the agreement of the World Health Organization.*

Such a modification would certainly remove our present objections. It is recommended that WHO be made acquainted with our views on this subject. At any rate the present policy has been for the editor to consider each case on its own individual merit and this is probably the way it should stay for the time being.

As a result of the above-described review, it has come to light that our editor is not a member of the Council of Biological Editors. It is believed that this situation should be corrected and that our Association should pay the cost.

Dr. Hazeltine, through a letter to our president, has made an interesting suggestion which could result in considerable savings to the Association. This is that

the non-article portions of *Mosquito News* be reproduced in a separate publication by offset. This extra publication could be like the *Bulletin of the Entomological Society of America* and could carry the mosquito reference bibliography, the news notes on people, and the business reports of the Association. The printing costs for these pages would be considerably less than they are for the letterpress currently used.

It has come to our attention that members of the AMCA have unofficially invited foreign individuals to submit papers to *Mosquito News* for publication. If the

individuals' agencies are then unable to pay our page charges, we are left in the situation of having to pay for them and we definitely cannot afford to do this. It is suggested that if papers are desired from nationals other than our own, that the invitation should come only from the Editorial Board and should be via the President of AMCA.

A. W. BUZICKY  
G. E. SMITH  
J. R. WALKER  
K. L. KNIGHT, *Chairman*

#### ATTACHMENT NO. 22

##### REPORT OF THE NATIONAL MOSQUITO CONTROL-FISH AND WILDLIFE MANAGEMENT COORDINATION COMMITTEE

The National Mosquito Control-Fish and Wildlife Management Coordination Committee was established in 1960 in accordance with a resolution adopted at a joint meeting of both interests held in Washington, D.C. on April 1-2, 1959. Its objectives include the coordination of both activities on national, state and local levels by the sponsorship of state or regional meetings, issuance of opinions, policies and general information, stimulation of research and rendering judgments.

The current membership includes:

MR. HARVEY B. MORLAN, Public Health Service,  
Chairman  
DR. CLAUDE SCHMIDT, U. S. Dept. Agriculture,  
Secretary  
DR. ROBERT F. HUTTON, American Fisheries  
Society  
MR. DANIEL POOLE, Wildlife Management In-  
stitute  
DR. JOHN P. ROGERS, Fish and Wildlife Service  
MR. ROBERT L. VANNOTE, American Mosquito  
Control Association

During the past year, the Committee held meetings in Washington, D.C. on April 16, 1968, June 18, 1968 and February 18, 1969.

It is evident that mosquito control throughout the United States is currently conducted with little or no objection from the Federal agencies as represented on the committee. Without question, the regional meetings co-sponsored by this committee in past years, have made all parties of interest alert to their responsibilities and satisfactory working relationships seem to have been established between Federal, state and mosquito control groups. Care must be continued to maintain this balance.

The committee, through its Secretary, continues to distribute literature and proceedings of regional meetings for which there is still considerable demand. In this respect, the committee proposes to prepare a new bulletin consisting of 10-12 papers on mosquito control-fish and wildlife relationships to meet the current demand. It is requested that the American Mosquito Control Association consider a donation to the committee in 1969 to help finance the publication.

The committee was pleased to work with the Toledo Area Sanitary District and the Fish and Wildlife Service in the

large-scale tests of Baytex concentrate applied by air in low volume for the control of the larvae of woodland species of mosquitoes. A committee member was present and checked procedures and results of the tests made on April 30, May 1, May 20-21 and June 10-11.

The committee supplied its influence to secure the transfer of Federal funds to permit a third and final test.

Although one request was made for a

co-sponsored meeting in 1968, state support was not evident and no action was taken.

The committee extends its best regards to the membership of the American Mosquito Control Association and is prepared to serve the Association or its membership as need may arise.

ROBERT L. VANNOTE  
*AMCA Representative*

### ATTACHMENT NO. 23

#### REPORT OF THE EXPANDED SCOPE OF ACTIVITIES COMMITTEE

The Expanded Scope of Activities Committee finds that strong differences of opinion still exist in the membership of the American Mosquito Control Association regarding the question of expanding the scope of the association. We also find that considerable confusion and misunderstanding exist in the membership on both sides of the question as to what precisely is proposed for the association by proponents of expansion and how such proposals are to be implemented.

We find little sentiment for changing the name of the association or the name of its publication at this time and no specific changes in our by-laws have been proposed to the committee.

Some expression of the opinion of our membership could be obtained by balloting and to some extent this has been done by some regional directors who are members of our committee. Since no specific proposals have been advanced, the expression of opinion so far received must be regarded as generalized.

The committee feels that the membership of the association should know and understand in detail what is proposed and involved in expansion of scope so that an intelligent decision can be made by the membership as a whole. A start in this direction was obtained by last year's com-

mittee when articles were prepared and published in *Mosquito News* by Richard F. Peters and Robert Vannote regarding this issue.

We feel at this time that the proponents of expansion have an obligation to:

1. Prepare a statement of their philosophy regarding expansion and why they have developed such a philosophy,
2. Develop specific proposals for consideration of the membership, and,
3. To promote their proposals and try to convince the opponents of expansion of the value of them.

There is little doubt that a substantial number of our membership feels strongly that we should expand. The association has an obligation to let them be heard and present their arguments. If their proposals have merit and will benefit the association, we assume that the membership will adopt them. If the proposals have no merit or will not benefit the association or its members, they will fail.

We therefore recommend that the next president appoint a committee of known proponents of expansion and assign to them the task of developing specific proposals for expansion, and the reasons for such proposals, and also assign the committee the responsibility of informing the



association of the proposals by means of articles in *Mosquito News*.

We also recommend that no action be taken on these proposals until opponents of expansion have had equal time and opportunity to inform the association of their viewpoint.

These recommendations are not supported unanimously by the committee. Of the committee members responding, 9 (including the chairman) support the recommendations. One opposed them. Two committee members did not respond.

P. BELSKI  
 OSCAR W. DOANE  
 DR. E. S. HATHAWAY  
 DR. RICHARD O. HAYES  
 DR. ROBERT A. HEDEEN  
 PAUL J. HUNT  
 GARDNER C. MCFARLAND  
 DR. FRANK J. MURPHEY  
 DR. DON J. PLETSCH  
 DR. DON M. REES  
 JOHN STONER  
 JAY E. GRAHAM, *Chairman*

#### ATTACHMENT NO. 23A

#### MEMBERS OF THE A.M.C.A.

Having been charged by Chairman Jay Graham to "publicize, keep alive, and provide adequate information for the membership" with regard to the Expanded Scope of Activities committee, action taken within the North Atlantic region included a three-day regional meeting held on Long Island, New York during May 1968 and another regional meeting held at Seekonk, Massachusetts during October 1968. Both meetings were very well attended by active mosquito practitioners, educators and administrators.

Our feeling is that we know what we have now, and we can direct and promote its growth in the future, as has been done in the past. We have only to look back a very few years to see that we have been an Association of solid, gradual growth; never losing sight of our basic theme (mosquitoes), but remaining ready to consider other vectors compatible with mosquito control.

To further explore this undefined con-

cept of expansion such as has been done for these past three years will only hasten the day when the mosquito practitioner and his associates will no longer be interested in the AMERICAN MOSQUITO CONTROL ASSOCIATION.

We believe the A.M.C.A. needs all the people who never get to attend an annual meeting, but who faithfully read *Mosquito News*; who physically contribute daily in their respective mosquito control districts; and who are also the greatest financial contributors to this Association. To shove them aside for some unknown individuals, or groups of individuals, would be most unwise.

This is where the A.M.C.A. stands in the eyes of those whom I have described. Our careful consideration should be given to them as the Expanded Scope business is propelled and debated from year to year.

OSCAR W. DOANE, JR.  
*North Atlantic Regional Director*

ATTACHMENT NO. 24  
REPORT OF THE POLICY COUNCIL

Although the mission of the Policy Council is not clearly defined, it is apparent from the work of this committee in past years that it has a dual mission: First, the periodic appraisal within a broad perspective of what the association is doing to determine if it is meeting the proclamation which appears on the back of *Mosquito News*, and second, the development of rules, or policy guidelines relative to the orderly, planned development of activities within the policies laid down by the Board of Directors.

A review of the Policy Council reports of the past ten years has shown without exception each year a recommendation of the desirability of a full-time director. The growth and progress of the association in this same ten-year period is reflected in a four-fold increase in the proposed budget for 1969 compared with the disbursements for the year 1959. It is obvious the work load on the Editor, Executive Secretary, Treasurer, Advertising Manager, and others has steadily increased. It appears that the time has arrived where serious consideration should be given by the Board of Directors to appoint a committee to make a definitive study to determine in detail if the cost of a full-time office is justified, determine what services could be better performed, what personnel and equipment would be needed, where the office would be located, what the cost would be, what financial preparation would have to be made.

It has been suggested by one member of the Policy Council that the registration fee be raised and set aside for this purpose and then as other funds become available the registration could be reduced.

The matter of travel allowances should be reviewed by the Board of Directors.

It has been suggested by a council member, with others concurring, that consideration should be given by the Board for the officers of the association to attend a mid-country fall business meeting with certain expenses covered by the association and the directors to meet their own expenses. Under the present operation of the association the amount of business conducted by the Officers and Board would justify such a meeting.

The Chairman of the committee would like to suggest that the immediate past-president serve as Chairman of the Policy Council or as a member of the committee. He is in a position to be aware of unfinished business requiring continued attention that is frequently carried over from year to year.

Respectfully submitted,

ROWLAND E. DORER  
ROBERT L. VANNOTE  
DON M. REES  
JOHN A. MULRENNAN  
RICHARD F. PETERS  
T. WAYNE MILLER, *Ex Officio*  
GLEN C. COLLETT, *Chairman*

## ATTACHMENT NO. 25

## REPORT OF THE FINANCE COMMITTEE

For several years, the report of the Finance Committee has been presented to the Board of Directors as a joint recommendation with the Policy Council. For 1968-69, President Mulhern separated these functions, and the Finance Committee, together with the treasurer, is submitting a proposed budget for the Board's consideration.

Basically, the proposals represent no major departure from AMCA budgets in the past. Treasurer Don Murray provided the committee with necessary information, assembled in proper form. After consideration, the Finance Committee agreed to present to the Board the proposed budget as prepared by the Treasurer.

Although no specific changes are recommended, individual committee members indicated that the Board should study

items relating to honorariums, travel expenses, and clerical compensation before final adoption of the budget. It is hoped that the Board will establish policies relating to these items, which would serve as a guide for subsequent budget preparation.

Two members of the committee felt strongly that the work of the Finance Committee could be better carried out as a joint function with the Policy Council, as in the past.

Respectfully submitted

T. WAYNE MILLER, JR., *Chairman*  
 W. D. MURRAY  
 A. W. BUZICKY  
 HARRY D. PRATT  
 GARDNER MCFARLAND  
 CHARLES F. SCHEEL  
 GLEN COLLETT, *Ex Officio*

## ATTACHMENT NO. 25A

## AMCA—1969 BUDGET

## I. Receipts

Account Number	Description	1969 Budget
R1	Dues and Subscriptions	\$21,000.00
R2	Advertising	6,950.00
R3	Reprints	3,500.00
R4	Back Issues <i>Mosquito News</i>	750.00
R5	NIH Grant	2,000.00
R6	Miscellaneous	2,200.00
R7	Annual Meeting	3,000.00
R8	Bulletins	2,500.00
R9	Printing Charges	4,400.00
Total Receipts:		\$46,300.00

## II. Expenditures

Account Number	Description	1969 Budget
A.	Editor	
A1	<i>Mosquito News</i> Print/Mail	\$22,000.00
A2	Reprints	2,500.00
A3	Miscellaneous Items from Boyds	200.00
A4	Clerical & Equipment	4,800.00
	AMCA Social Security	250.00
A5	Travel	275.00
		<hr/>
		\$30,025.00
B.	Secretary	
B1	Postage & Envelopes	\$ 500.00
B2	Forms & Printing	300.00
B3	Office Supplies	250.00
B4	Travel	300.00
B5	Clerical	4,800.00
	AMCA Social Security	250.00
B6	Fidelity Bond	250.00
		<hr/>
		\$ 6,650.00
C.	Treasurer	
C1	Office Supplies & Expenses	\$ 150.00
C2	Audit	175.00
C3	Travel	300.00
C4	Fidelity Bond	125.00
		<hr/>
		\$ 750.00
D.	Advertising Manager	
D1	Postage, Supplies and Expenses	\$ 400.00
D2	Travel	100.00
		<hr/>
		\$ 500.00
E.	Membership Committee	
E1	Postage & Stationery	\$ 200.00
E2	Forms & Printing	200.00
		<hr/>
		\$ 400.00
F.	Bibliography	
F1	Postage, Stationery & Clerical	\$ 600.00
G.	Office of the President	\$ 200.00
	Travel	300.00
		<hr/>
		\$ 500.00

H.	Other Committees	\$	100.00
I.	Regional Expenses	\$	100.00
	Directors' Expenses		200.00
		\$	300.00
J.	Association Library (Reprinting)		
	Back Issues <i>Mosquito News</i>	\$	700.00
K.	Miscellaneous—General	\$	125.00
	Bulletin Printing		3,500.00
		\$	3,625.00
L.	Travel	\$	1,000.00
M.	Recording Secretary	\$	150.00
	Total Expenditures:	\$	46,300.00

## ATTACHMENT NO. 26

## REPORT OF THE RESOLUTIONS COMMITTEE

1. WHEREAS, the success of any organization depends upon its officers and committees, and

WHEREAS, the 1969 meeting of the AMCA held at Williamsburg, Va., February 23-26 inclusive has been made most enjoyable and pleasant as the result of the untiring efforts of the Local Arrangements Committee, the Mosquito Control Commissions of Virginia, the Virginia Mosquito Control Association and the Program Committee; Therefore be it

RESOLVED that we, the members of AMCA express our thanks and gratitude to all who have contributed.

2. WHEREAS, the Colonial Williamsburg Conference Center and the City of Williamsburg, Virginia have provided outstanding and comfortable facilities for the annual meeting; therefore be it

RESOLVED that the AMCA express its thanks and appreciation for these outstanding services and full cooperation.

3. WHEREAS Mrs. Helen Louise Trembley

Durkee has found it necessary to sever her long period of service to the AMCA; Now therefore be it

RESOLVED that we, the membership, express our thanks and appreciation to Mrs. Durkee for her untiring efforts and devotion to the Association and to the cause of mosquito control.

4. WHEREAS the exhibitors at the annual meeting contribute in no small way to the educational values of the meeting and service to mosquito control groups; therefore be it

RESOLVED that the AMCA express its thanks and appreciation for the role they play in mosquito control on a national and international level.

5. WHEREAS the sponsors of the 25th annual meeting of the AMCA and the 21st annual meeting of the Virginia Mosquito Control Association have contributed so effectively to the social functions and the personal friendships that are so essential

to the success of the annual meeting; therefore be it

RESOLVED that the membership of each of these associations express their thanks and gratitude to those sponsors.

6. WHEREAS between each annual meeting we lose through death a number of our esteemed friends and associates; therefore be it

RESOLVED that the AMCA include in its minutes this expression of great loss suffered by the passing of these productive and faithful members, and

BE IT FURTHER RESOLVED that the Executive Secretary, upon notice of the death of members of our association, express our deepest sympathy to the immediate members of the deceased's family.

Respectfully submitted,

E. S. HATHAWAY  
CHRIS M. ELMORE, JR.  
OSCAR W. DOANE  
RICHARD F. PETERS  
ROBERT L. VANNOTÉ  
BAILEY B. PEPPER, *Chairman*

### ATTACHMENT NO. 27

#### REPORT OF THE NOMINATING COMMITTEE

This Committee was entrusted with the duty of proposing candidates for the office of President-elect, Vice-President and Treasurer.

Mr. A. W. Buzicky of Saint Paul, Minnesota, and AMCA Vice-President, was the unanimous choice of the Committee as its candidate for President-elect.

Dr. W. Donald Murray, the incumbent, of Visalia, California, was the unanimous choice for Treasurer. He has agreed to serve for the two-year term.

For the important nomination of a candidate for Vice-President, the Committee considered four possible choices. Two candidates withdrew their names and the remaining two were submitted by the

Committee for balloting. These are: Dr. A. J. Rogers of Panama City, Florida and Mr. C. T. Williamson, of Yaphank, New York.

Nominations Committee,

A. W. A. BROWN  
BAILEY B. PEPPER  
MAURICE W. PROVOST  
FRANCIS P. CREADON  
WILLIAM E. BICKLEY  
JAY E. GRAHAM  
E. S. HATHAWAY  
H. H. STAGE  
JACK KIMBALL  
LUIS VARGAS  
HARRY D. PRATT, *Chairman*

### ATTACHMENT NO. 28

#### Proposed Policy—"A"

The Board of Directors, recognizing that an AMCA conference is valuable to anyone in mosquito control or a related field, believes that each person attending a conference of AMCA should contribute at least a portion of conference costs. For

this purpose, the Board adopts the policy that a registration fee (to be set by the Local Arrangements Committee, and representing approximately the conference costs, plus five dollars per registrant to aid in publication of *Mosquito News*) be required of all individuals in attendance,

and that admission to paper reading sessions of the association be by registration badge only. It is expected that special registration fees may be established for wives or delegates present, or for students; and in cases where distinguished guests are present at special invitation of the Board of Directors, the Local Arrangements Committee is authorized to issue a guest registration at no charge.

#### Proposed Policy—"B"

Since preregistration of delegates to an

AMCA conference effectively speeds up the registration process, and is helpful to the Local Arrangements Committee and delegates alike, the Board of Directors of AMCA recommends to local arrangements committees that preregistration of delegates be accomplished whenever possible. The Board further suggests that a registration fee be set which will allow the Local Arrangements Committee to offer a ten percent discount on preregistrations, as an incentive to delegates to register early.

### ATTACHMENT NO. 29

#### AMERICAN MOSQUITO CONTROL ASSOCIATION, INC. 1969 STAFF LIST AND COMMITTEES

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