

## ASSOCIATION NEWS

### MINUTES OF THE FINAL MEETING OF THE 1976-77 BOARD OF DIRECTORS OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION, HELD AT THE MARRIOTT HOTEL, NEW ORLEANS, LA., MARCH 27, 1977

President D. Bruce Francy called the meeting to order at 9:10 a.m. and directed the Executive Director to call the roll:

Members present: President D. Bruce Francy, President-Elect Lewis T. Nielsen, Vice President Paul J. Hunt, Harold C. Chapman, Robert M. Altman, W. D. Murray, Thomas D. Mulhern, Roy Ellis, Robert W. Spencer, Richard Axtell, James D. Gorman, H. D. Newson, Edgar S. Bordes, Louis J. Ogden, Marsh E. Meyers, Marvin C. Kramer, Marco Enrico C. Giglioli. The Executive Director noted there was 100% attendance and also stated an appointment must be made for Regional Director of the North Pacific Region. John E. Beard has had to withdraw and the Northwest Association has requested that Marsh E. Meyers be appointed to fill the unexpired term. By unanimous consent, Marsh E. Meyers was appointed as new Regional Director for 1977.

Others present were introduced as follows: Linda Cavey, Secretary from the Central Office, Gilbert Challet, new Regional Director for South Pacific Region, E.E. Fetzer, new Regional Director for North Central Region, Fred Lesser, new Regional Director for North Atlantic Region, William E. Bickley, Margaret Slater, Harry Pratt, Claude Schmidt, Manuel Fetzer, Glen Collett, Steven Romney, Lewis Fronk, George Carmichael, Oscar Fultz, David Dame, Edgar Smith, Richard Peters, Gary Mount, Wayne Miller, Glenn Stokes, David Reed.

President Francy called for the results of the balloting for 1977 officers to hold office until the 1978 Annual Meeting and for the results of regional elections of Regional Directors. The Executive Director announced that 582 mail ballots were re-

ceived and presented the names of the officers to serve from the 1977 to the 1978 meeting, including newly-elected and hold-over members, as follows:

Dr. Lewis T. Nielsen, President, 1977  
Paul J. Hunt, President-Elect, 1977  
Glenn M. Stokes, Vice President, 1977  
W. D. Murray, Treasurer, 1977, 1978  
T. D. Mulhern, Executive Director, 1977, 1978 (Appointment)

#### Regional Directors:

R. A. Costello, Canada, 1977-1978  
Fred Lesser, North Atlantic, 1977-1978  
Richard Axtell, Mid-Atlantic, 1977  
James D. Gorman, South Atlantic, 1977  
E. E. Fetzer, North Central, 1977-1978  
Edgar S. Bordes, South Central, 1977-1978

Louis J. Ogden, West Central, 1977  
Marsh E. Meyers, North Pacific, 1977  
Gilbert L. Challet, South Pacific, 1977-1978.

Dr. M. E. C. Giglioli, Latin American-Caribbean, 1977

Minutes of the 1976 meeting, as published in *Mosquito News* V36#4, were approved as printed with one correction: the term of James D. Gorman as Regional Director should read "1976-1977." The motion was made by Marvin Kramer, seconded by Robert Altman and passed unanimously.

Editor W. E. Bickley requested that the minutes of the 1977 Annual Meeting and the committee reports be condensed as much as practicable for the printed record to be published in *Mosquito News* in the interests of economy. There was general agreement.

The report of the Nominations Committee was presented by Harold Chapman, Chairman (Attachment No. 1). The

recommended format for biographical data, to be filled out by future nominees, was adopted.

President Francy presented a review of the year, briefly summarizing accomplishments which will be elucidated in the various reports and presenting his personal thanks to other officers, committees, and all who have helped to advance the progress of the Association. He expressed the hope that this will be an excellent meeting and that 1977 will bring continuing progress. He then called for the report of the Executive Director.

Executive Director Mulhern presented his report (Attachment No.2), which was discussed fully and accepted. Several recommendations were deferred to the new incoming Board of Directors for action. Various items of particular importance include: (1) The papers of the 1976 meeting appear mainly in *Mosquito News*, V36No.4, which also contains the report of the business meetings. The 1976 volume contains 604 pages of text. (2) *Mosquito Systematics*, Vol. 8, 1976, contains 446 pages of text (Attachment No. 6). (3) The work load of the Central Office continues to increase and more help will be needed. It is proposed that the status and salary of Mrs. Linda Cavey be improved, commensurate with her increased work load and responsibility. (4) Unreliable service and lost or damaged mail continues to create frustrating problems. (5) Eight numbers of *The AMCA News Letter* have been distributed. (6) Handling of the business matters relating to *Mosquito Systematics* has been transferred to the Central Office and appears to be functioning properly. (7) Billing and collecting for advertising in *Mosquito News* has been transferred to the Central Office. Authorization was requested and granted to write off one uncollectible item for 1966-67 advertising that has been carried forward in the amount of \$225.00. By agreement with Glenn Stokes, who has carried forward the solicitation for advertising for nearly a year, this function will also be taken over by the Central Office after the June 1977 number. (8) The Directory of Mosquito Control Agencies has

been published and it is requested that a price be established, so that an intensive sales campaign can be mounted. (9) It is suggested that a price be set upon listings in the placement service to defray part or all of the costs, and to help keep the list clear of invalid listings. (10) Various potential granting agencies have been contacted to determine if they might be agreeable to making grants for special purposes to AMCA. (11) The Executive Director attended several State and Regional meetings during the year: Florida Association, Northwest Association, Mid-Atlantic Association, and California Association. (12) Eight numbers of *Mosquito News* which were out-of-print have been reprinted. Those still out-of-print will be reprinted in 1977. (13) It is now proposed that the membership list be updated and printed annually as a separate, to be sold at a price of \$10.00 off set the cost and that it be printed in *Mosquito News* only once every five years (the last printing added about \$1,500 to the cost of *Mosquito News*). (14) By practicing rigid economy, considerable savings were made against the funds budgeted (see Auditor's report) by the Central Office, the editor, and various committees.

It was suggested that further consideration of the items presented in the report of the Executive Director be studied during the progress of this meeting and acted upon by the incoming Board of Directors.

The Auditor's Report for 1976 was presented and accepted (Attachment No. 3).

President Francy requested Treasurer Murray to present his report and to discuss the tentative budget for 1977, previously approved by the Finance and Policy Committee, and circulated to members of the Board of Directors (Attachment No. 4).

The Treasurer's report was discussed at length, during which several matters received special attention: (1) Costs continue to increase and there is continuing need to find additional sources of revenue. (2) A number of new developmental items require funding—some may be self-

supporting, but financing is necessary while income is being produced. Increases may be necessary in dues and fees for the future. Continuing study and planning is necessary to keep AMCA fully solvent as at present and to allow for future expansion of services. President Francy thanked Dr. Murray for his report and deferred action upon it until the incoming Board of Directors shall meet, in order to effect changes in the new budget to comply with actions which may be taken by the Board of Directors.

Robert W. Spencer, Local Arrangements Chairman for the 1976 Joint Annual Meeting at Boston had mailed the AMCA Board of Directors copies of the report he submitted to the Northeastern Association. He explained that from the proceeds of the meeting, \$2,000 had been provided AMCA and the balance of \$3,839 had gone into the NEMCA treasury. He has requested that an additional share in the amount of \$1,500 be provided AMCA to help defray the costs of printing the papers, which have appeared in *Mosquito News*. This request should be acted upon when the NEMCA meets in October 1977. President Francy complimented Mr. Spencer on the excellence of the Boston Meeting and thanked him for his efforts on behalf of AMCA.

Editor William E. Bickley presented the Report of the Editor of *Mosquito News* (Attachment No. 5). He pointed out that his work load has almost doubled within the past three years, from 91 manuscripts submitted in 1973 to 159 in 1976. He complimented Mr. Fronk on securing more operational articles and pointed out that it has been possible to keep expenditures below the amount budgeted for the past three years, but an increase must be anticipated for 1978. He requested that the minutes of the business meetings be condensed as an economy measure. He indicated that he plans to attend the meeting of the Council of Biology Editors in Philadelphia in May. He also particularly thanked Dr. Axtell for help provided during the year.

On motion by Dr. Robert Altman, sec-

onded by Marvin Kramer, and passed unanimously, the Editor and Executive Director were authorized to condense the minutes to be published in *Mosquito News*.

In the absence of Dr. Kenneth L. Knight, the Report of the Editor of *Mosquito Systematics* (Attachment No. 6) was read by Mr. Mulhern.

Dr. Francy read the Report of the News Letter Committee (Attachment No. 7). He said that the *News Letter* is a valuable publication, and this year was a good example because a number of subjects had been brought up and discussed in a brief period of time. Without the *News Letter* this could not have been accomplished.

George Carmichael presented the Report of the Local Arrangements Committee (Attachment No. 8): He said there are 22 other conventions now in the city, so rooms are scarce. There was a pre-registration count of 1,260. There is a 30-page report of the details worked out at the hotel. A copy of the report was provided the Chicago group as a guide for the 1978 arrangements.

Glenn Stokes reported that there are 37 exhibitors. Mr. Carmichael stated that Mrs. Glenn M. Stokes had done an excellent job in setting up the ladies' program, with fine help from Joyce Chester. Mr. Carmichael also thanked the sponsors of the special events.

Paul Hunt presented the Report of the Program Committee (Attachment No. 9). The response to calls for papers yielded 145 titles, as listed in the program. He noted that the *News Letter* is instrumental in providing information and interest in the meeting. He emphasized the need to stick to the ground rules as closely as possible because there are so many papers that we must have concurrent sessions. He suggested that the Board give consideration to extending the meetings to 4 days to cut down the number of concurrent sessions. Dr. Francy congratulated the Program Committee on an outstanding program.

Dr. Richard Axtell presented the Report of the Editorial Board (Attachment No. 10). Dr. Axtell expressed the appre-

ciation of the Board of Directors to the staff that has consistently produced *Mosquito News* as a fine journal.

The report of the AMCA Publications Committee (Attachment No. 11) was presented by Dr. John Edman. This report generated a lengthy discussion, revolving around the debate caused by a suggestion that there be a change in the name of *Mosquito News*, Journal of the American Mosquito Control Association. The Committee now recommends that a poll be taken of the membership. There was also lengthy discussion about completing the art work and printing a new bulletin for which copy is now available, to be entitled "Identification and Distribution of the Mosquitoes of North America North of Mexico." It was the consensus that AMCA should finance this project, hopeful of recovering the costs by sales of the bulletin. Final action on the key was deferred to the incoming Board of Directors.

Dr. Richard Axtell moved that with the ballot for the election of 1978 officers there be included a ballot asking for a vote on the name change, to include these two options: (1) I am opposed to a change in the name—and (2) I favor a change in the name—Dr. Chapman seconded the motion and it was adopted.

The report of the Operational Articles Committee (Attachment No. 12) was presented by Lewis E. Fronk. Good progress has been made and 8 operational articles have been submitted to the Editor of *Mosquito News*, resulting from very active committee solicitation. The recommendations were referred to the incoming committee, with thanks to the Committee.

The report of the Directory of Mosquito Control Agencies (Attachment No. 13) was presented by Gilbert L. Challet, who exhibited copies of the directory. The information contained in the report was discussed, and the recommendation that a price of \$10.00 per copy was set on motion by Harold Chapman, seconded by Louis Ogden and passed unanimously. President Francy expressed the appreciation of AMCA to Mr. Challet for complet-

ing this valuable study and outstanding document.

Dr. Chapman requested that a three-man committee be appointed to work on the proposed bulletin on Biological and Genetic Control, and offered to consult with the incoming President on committee selection. Mr. Mulhern reported that good progress evidently was being made on the revision of the *Airspray Bulletin*, and Professor Akesson reported that he now has a second draft, which it is hoped can be reviewed and made available for final editing and printing later in the year. There is a continuing need for practical bulletins on source reduction and on collection methods which AMCA should develop.

The Report of the Membership Committee was distributed by Dr. Steven Romney. (Attachment No. 14). This is a lengthy report, abstracted for printing, but the full report and recommendations will be referred to the incoming committee and officers for implementation. The present committee has conducted an aggressive membership campaign, and at the end of January 1977, there had been a net gain of 60 members for a total of 2308. Since then, 116 additional new members have joined, and new applications are coming in regularly. If sufficient new members can be enlisted, it may be possible to defer increasing the membership and subscription fees. Therefore, every member should strive to enlist new members. Dr. Romney received the hearty thanks of the Board of Directors for a most energetic and effective membership program.

A report on plans for the annual meeting to be held April 17-20, 1978 in Chicago was presented by E. E. Fetzler. He said the AMCA Board of Directors would have to decide on the proposal to extend the meeting to four days. This decision was deferred until the new Board meets.

A report on plans for the meeting to be held April 8-11, 1979 at the Capital Hilton Hotel in Washington, D.C. was presented by Dr. Robert Altman. The accommodations are very good, and the meeting will be managed entirely with

volunteer effort of AMCA members, since there is no host association.

A report on plans for the meeting to be held March 14-18, 1981 at San Antonio was presented by C. Mills Reeves. There is a tentative commitment and date set for the Hilton Palacio Del Rio, across the street from the convention center. There probably will not be enough sleeping rooms in the Hilton, so the overrun could go to the nearby El Tropicana. No firm commitment will be made to either hotel until there is a decision on plans for a new Western International 700-room Hotel, tentatively to be built in a very good downtown location. If this hotel is built, it could accommodate the entire group.

A report on plans for the meeting to be held in 1982 in California was presented by Marvin Kramer. Initially, Sacramento had been specified, but further planning by the California Mosquito Control Association indicates that South Lake Tahoe may be preferred. On motion by W. D. Murray, seconded by Harold Chapman and passed unanimously the specification was changed to indicate that the specific location in California might be changed by the California Association. An invitation, previously submitted by mail, for a meeting to be held February 27-March 2, 1983 at Lake Buena Vista, Florida was presented by Wayne Miller. Rooms have been blocked at the Contemporary Hotel. Paul Hunt moved that the Florida invitation be accepted, the motion was seconded by James D. Gorman and adopted unanimously.

A report on advertising in Mosquito News was presented by Glenn M. Stokes (Attachment No. 15). Income and the number of pages has increased slightly. He proposed that the current modest advertising rates be increased, effective with Volume 38, 1978. Marsh Meyers moved that the rates be increased in 1978 as recommended. Richard Axtell seconded the motion and it was duly passed. Mr. Stokes said that he would notify the potential advertisers. He also explained that after discussion with and agreement by the Executive Director, he recommends that the

entire advertising function be transferred to the Central Office, for better coordination, the change to take place after the June 1977 number is complete. This change was subsequently approved. He also exhibited copy for a two-color ad of Dow Chemical Company which is to run for a year, beginning with the March 1977 number. Mr. Mulhern asked permission to write off an uncollectible past-due account for 1966 and 1967 advertising in the amount of \$225. On motion by Richard Axtell, seconded by Paul Hunt, this was approved.

A report for the World Wide Committee was presented by Edgar A. Smith. He recommended that further consideration be given the composition of the committee, since great distance between committee members makes it very difficult to communicate, so that for several years the report had to be written solely by the chairman, with relatively little input from other members.

The written report of the 1975 Committee fairly represents the continuing problem in many parts of the world, particularly with reference to the need for utilization of all available methods not currently used, the need for development of new technology, the need for training in comprehensive mosquito control, and the need to face up to the problems of environmental concern. Some progress is being made in coping with these problems. WHO has established special program for tropical disease research and training, leading to research and development of new or improved technology. A meeting was held in New Delhi last April to consider appropriate regional strategies in the control of malaria; a similar meeting is going to be held in Washington next month for the American region. US AID is supporting research on development on environmentally acceptable alternatives for DDT, the development of malaria vaccine, and is considering support for development of new technology such as genetic control and biological control. AID is planning a workshop on research priorities for malaria control which may

lead to eventual support for additional research.

Where does AMCA and the World Wide Committee fit into all this? Because the familiar residual spray methods are failing in many areas, we must adopt a comprehensive approach to vector mosquito control. We may have to go back to the pre-DDT era and utilize all of the known methods, including source reduction, larviciding, adulticide by space spraying, biological control, etc.; thus, there is a need for training. The United States and AMCA have great expertise in methods of mosquito control. A start has been made in using this expertise in several ways;

(1) Last summer there was a traveling seminar in California which visited half a dozen mosquito abatement districts with cooperation from the State Health Department, and the University of California. This seminar was sponsored by PAHO and AID and Mr. Mulhern was coordinator for that seminar, which later moved on down to El Salvador to discuss the application of appropriate methods they had seen in California. Some members of AMCA have been utilized; for instance, in addition to having visited El Salvador with this seminar, T.D. Mulhern also went to Pakistan as a consultant for AID, and he and John Stivers are going to El Salvador next month to assist AID in drawing up a plan for a comprehensive vector control approach to assist the malaria program in El Salvador. Don Pletsch is going to Indonesia for a year to confer with the National Malaria Program in Indonesia in training entomologists in a malaria program. Gene Gerberg will not be at this meeting because he is making a trip to Sri Lanka for AID to draw up an environmental impact statement on the proposed support of the malaria program. There is going to be a great demand for more specialists.

(2) If the AMCA is interested in taking a more active part in this, as being the focal point for assistance to the developing countries in utilizing the comprehensive approach to mosquito control, the next World Wide Committee might be given

the task of looking into the ways and means of doing so. PAHO and AID are constantly in need of consultants who are ready, willing, and able to visit some of these countries to assist in planning or evaluating programs. Perhaps a questionnaire might be available to people who are retired and could serve as salaried consultants, and for those who are actively working so that a salary might not be necessary, it would be relatively easy to obtain travel orders to pay per diem and expenses to go to the countries of need. Most of the Committee members should be in the US to facilitate interchange of ideas. There should also be an effort to better define the program of this committee.

Dr. Francy thanked Mr. Smith for an excellent presentation, which points the way to utilize the expertise of AMCA members to beneficially influence this area of vector control. Dr. Nielsen said Jay Graham would be Chairman of the new committee, and he frequently travels to other countries, and will be in a position to do a great deal.

The report of the Legislative Committee was presented by Richard F. Peters (Attachment No. 16). Nineteen-seventy-six was a "watch and wait" year with little legislative action to help or hinder mosquito control. The "Boggs Bill" did not move. Perhaps 1977 will bring more legislation of interest to mosquito control, and the committee will remain alert.

The report of the Awards Committee was presented by John C. Kuschke. (Attachment No. 17). No recipients were selected in 1976. Instead, the committee turned its attention to developing standards and procedures to make the awards more meaningful. These are made part of the report. It is recommended that the Board give further consideration to the composition of the future awards committees. The report was received with thanks for a job well done, the recommendations to be acted upon by the incoming Board.

The report of the Public Relations Committee was presented by Dr. Claude Schmidt (Attachment No. 18). One of the principal projects was preparation of a

popular brochure in color. He asked Harry Pratt to describe the draft copy. There will be 8 pages, with text on one side of each pair, and maybe 3 color pictures on the other. A sample brochure was shown. This brochure tells some of the accomplishments of mosquito control, and could be sold to districts for distribution. Claude Schmidt said that we should take pre-publication orders, probably through using the *News Letter* to poll the districts for a show of interest. The other task attempted was to develop a 35 mm slide series. One regional set was collected to determine what reception it would get from the Board. Bob Shelton showed the Board of Directors a group of slides representing operations in the Texas-Louisiana area. He outlined some of the problems and indicated that work will continue. Dr. Schmidt added that one of the charters was to develop a film but progress on this task will depend largely on finding funds.

Mr. Mulhern then said that several items have come up concerning this film. Lee County, Florida has updated its film, utilizing the services of a competent contractor who has offered to work with us on this project. Another contractor, who worked for the US Information Service also heard about this need, asked to be considered. Also, it might be possible to get a grant from EPA, or some other source. Also, it is said that the US Information Service is presently trying to make a film on mosquito control.

There has been a very encouraging contact with Bob Rice, a representative of Gibbs and Soell, Inc., a public relations organization that serves the Chevron Chemical Company. Bob Rice will address the Board on Wednesday morning if there is no objection. A letter has been received from *Pest Control Magazine*, offering to update a market research study performed about 10 years ago in cooperation with AMCA. This appears to be a very liberal offer.

Mr. Lundquist described the film made for Lee County, which was shown later

during the program. Preliminary estimates indicate that a film of the quality desired might cost between \$40,000 and \$75,000. The Public Relations Committee was asked to investigate further the making of a film.

The report of the Finance & Policy Committee was presented by Dr. D. A. Dame (Attachment No. 19). There was lengthy discussion of the report, generally in agreement, and the recommendations were taken under advisement, for action by the incoming Board of Directors, which will have to implement the various items.

Howard Greenfield presented the report of the Information Coordination Committee (Attachment No. 20), plus 84 pages of documentation. It was the consensus that the committee should be continued, and encouraged to effect the recommendations included in the report.

Don Merritt, AMCA Librarian and Custodian of Publications was not present, but Mr. Mulhern reported that he is doing a splendid cooperative service in storing and mailing publications as ordered. The Consolidated Mosquito Abatement District, Board of Trustees is also to be particularly commended for its long-continued participation in AMCA affairs, and for allowing its manager to provide so fine a service.

The report of the Resolutions Committee (Attachment No. 21) was presented by Bruce Craven, and on motion by W.D. Murray, seconded by Marvin Kramer, and passed unanimously, the resolutions were accepted for presentation and action at the General Business Meeting.

There were no changes in the bylaws recommended by the Bylaws Committee.

President-Elect Nielsen distributed for review and suggested revision, the tentative list of committee appointments, to be finalized at the first meeting of the incoming Board of Directors.

The meeting was adjourned at 5:10 p.m.

MINUTES OF THE ANNUAL BUSINESS MEETING OF  
THE AMERICAN MOSQUITO CONTROL ASSOCIATION  
MARRIOTT HOTEL - NEW ORLEANS, LOUISIANA  
March 29, 1977 - 3:30-5:00 PM

President D. Bruce Francy called the meeting to order at 3:30 p.m. and appointed Dr. W.D. Murray as parliamentarian.

The minutes of the 1976 Annual Meeting were published in *Mosquito News* V36No.4. The term of John D. Gorman shown as "1975-1976" should be corrected to read "1976-1977." On motion by Harold Chapman, seconded by Don Micks, the minutes with the one correction noted were approved unanimously.

President Francy expressed a high level of satisfaction with the progress of AMCA during the past year, and attributed this largely to the cooperation and effective functioning of the committees and of many individuals who performed volunteer services, as well as the staff of the association. He pointed out that the association is financially sound, but as a conservative group, there are sharp funding limitations on what can be accomplished, and there is a continuing urgent need to find additional sources of revenue so that services and programs can be expanded. He added that AMCA is a really outstanding organization and it has been an educational, satisfying privilege to serve as President. He complimented the Local Arrangements & Program Committees for an outstanding meeting.

He explained that it had taken all day Sunday for the Board of Directors to review and study the reports of officers and committees, all of which subsequently will be printed in *Mosquito News*, and he expressed the hope that all members would take time to read carefully these informative reports. To complete this business meeting in the time available, he indicated that he would briefly summarize the substance of many of the rather routine reports, asking at the same time that committee members add any substantial points

that might be overlooked. He also invited the members present to ask questions or discuss any point upon which they wanted further information, and he asked the other officers to summarize the principal points made in their reports in the interest of saving time.

Executive Director Mulhern sadly read from his report (Attachment No. 21) the list of AMCA members who have passed away since the last meeting, and asked that those present stand for a moment of silent respect for and recollection of these departed associates.

He noted that this has been a successful and expanding year, and one during which many committees have been unusually productive. He exhibited the newly completed "Directory," and noted that *Mosquito News*, Journal of the American Mosquito Control Association, has maintained its highly respected status across the world as the most valuable journal of the knowledge of mosquitoes; *Mosquito Systematics* is being more widely read and promises soon to be self supporting, and the *AMCA News Letter* appears to be popular as a timely source of information about AMCA. Out-of-print numbers of *Mosquito News* have been reprinted. Billing and collecting for advertising in *Mosquito News* is now a function of the Central Office, and by agreement the complete handling of advertising in *Mosquito News* will pass to the Central Office after the June 1977 number. The placement service has continued, with as many as 53 applications, and 4 agencies have been helped in filling important positions. There are many calls for miscellaneous services. Lost and damaged mail continues to be a frustrating problem. The increasing work load has been handled only because many persons have contributed services, but the time has come when we must employ some assist-



ance for our one full-time clerical person, whose responsibilities have been substantially increased so that her official status also must be improved commensurate with her increasing work load. The Executive Director attended four state or regional meetings to promote AMCA and stronger mutual ties with the local associations. The association does and will continue to depend for its progress largely upon volunteer workers, so every member who can and would like to participate is encouraged to take the initiative in making known to the officers and committees how and in what capacity they would like to cooperate.

Treasurer W. D. Murray discussed the 1976 Auditors Report and the Budget for 1977 emphasizing that this is a dynamic organization, moving forward as rapidly as funding will permit, but properly holding substantial reserves and generally limiting expansion to current funding levels to maintain a balanced budget. This emphasizes the need to find increased revenues, probably through increased membership and subscriptions, moderately increased dues and fees, sales of publications, and possibly through grants, since grants made to AMCA are tax deductible to the donors.

Editor W. E. Bickley noted that the March number of *Mosquito News* will be a little late since the printer is installing new equipment. He also noted the increasing popularity of this journal: in 1973 only 91 papers were submitted, in 1976 this had increased to 159. There is a gratifying increase in the number of operational articles.

Dr. Don Micks, Chairman of the AMCA *News Letter* Committee reminded committees, officers, and members that that they may use it as a means of communication. Four timely numbers were published in 1976, and it has provided the vehicle by which tentative programs of the annual meetings reach the members several weeks before the meeting takes place.

George Carmichael, Glenn Stokes, and Paul Hunt reported for the local arrangements, exhibits, and program com-

mittees, the results of their efforts being a most successful annual meeting.

Dr. Francly summarized the reports of the Editorial Board of *Mosquito News*, Richard Axtell, Chairman, and of the Publications Committee, Dr. John Edman, Chairman, including suggestions to change the name of the AMCA Journal, which will not be done without a vote of the membership; and recommendations for the publication of *Keys of the Mosquitoes of North America*, which will be done when finances can be arranged. The *Directory of Mosquito Control Agencies* has been completed by Gilbert L. Challet and should be an income-producer, the Operational Articles Committee, Louis Fronk, Chairman has been effective, the Advertising Manager, Glenn M. Stokes, has successfully carried this burden, and the Membership Committee, Steven Romney, Chairman, has been extremely active.

The Public Relations Committee, Chairman Claude Schmidt, has been very active. Harry Pratt and others have prepared a draft of a colored brochure. The Committee has assembled a series of 35 mm slides for possible use by general audiences, and a great deal of work has been done in planning for a motion picture film. The major problem of the colored film again is money, so work on it is held in abeyance until finances can be found.

The Legislative Committee chaired by Dick Peters is hopeful for progress of the Boggs Bill, House Bill No. 12376 in 1977.

The World Wide Committee chaired by Edgar A. Smith recommended that a number of people on that committee be from the United States to improve communications.

The Finance and Policy Committee chaired by David Dame is striving to create a workable policy statement for AMCA on mosquito control. The committee is also studying the problem of increasing revenue.

The Bylaws Committee was chaired by Robert Washino, but no need for changes in the Bylaws appeared.

The Awards Committee chaired by

John Kuschke spent the year trying to establish guide-lines for awards to be given in the future.

The Information Coordination Committee chaired by Howard Greenfield was very active in gathering information and specific complaints about regulatory agencies where these agencies have really impeded or markedly increased the cost of mosquito control. Analysis of the report may determine the future activity of the Committee.

The librarian and custodian of our publications is Don Merritt, and Dr. Francy thanked him for the service to AMCA.

Mrs. Helen Sollers-Riedel reported upon the grant from N.I.H. for preparation of the Review and Bibliography, this year in the amount of \$17,000. She has asked that the amount for next year be \$18,000 because she needs extra help. The application has been approved (and was funded soon after the meeting for one more year only).

The report of the Resolutions Committee was read, and on motion by W.D. Murray, seconded by Paul Hunt, the resolutions were adopted (Attachment No. 21).

President Francy announced the future meetings that are scheduled:

April 17-20, 1978—Chicago  
 April 8-11, 1979—Washington, D.C.  
 April 11-16, 1980—Salt Lake City  
 March 14-18, 1981—San Antonio  
 1982—California

February 27-March 2, 1983—Florida

The excellent exhibit that was prepared by Rowland E. Dorer was shown at the International Congress of Entomology in Washington D.C. at the Joint Meeting of the Texas and Louisiana Mosquito Control Associations, and is on exhibit here.

A motion was made by Marvin Kramer, seconded by Lewis T. Nielsen, and passed unanimously to approve all other actions of the Board of Directors during the past year.

The new officers to serve until the 1978 Business Meeting were introduced at this time:

President —Lewis T. Nielsen  
 President-Elect —Paul J. Hunt

Vice President —Glenn M. Stokes  
 Treasurer —W. D. Murray

D. Bruce Francy, retiring President then transferred the duties of President to Lewis T. Nielsen, at the same time presenting him with a gavel as a symbol of his new authority, and on behalf of the association extending congratulations and best wishes for a successful administration.

Dr. Nielsen expressed his recognition of the outstanding service performed by Dr. Francy, and on behalf of AMCA presented to him the special Past Presidents Plaque.

Executive Director Mulhern noted that Dr. Francy could hardly carry the plaque with him wherever he went, and presented him the attractive blue and gold Past Presidents pin, expressing the certain satisfaction that Dr. Francy would wear it well, with honor to AMCA, as a continuation of his extraordinarily fine administration.

Dr. Francy expressed his thanks for the honors, and for the particular honor of having been permitted to serve AMCA for a year as President.

President Lewis T. Nielsen introduced the rest of the members of the Board of Directors, noting the important service which they perform as responsible members of the governing board of this honored association:

R. A. Costello, Canada; Fred Lesser, North Atlantic Region; Richard Axtell, Mid-Atlantic; E. E. Fetzer, North Central; Edgar S. Bordes, South Central; Louis J. Ogden, West Central; Marsh E. Meyers, North Pacific; Gil Challet, South Pacific; Marco E. Giglioli, Latin America-Caribbean.

He also noted particularly the services being rendered by Austin W. Morrill, Jr. who could not be present at this meeting.

Dr. Nielsen commented that much of the business of AMCA is done by the Board of Directors at the annual business meeting, but it is a full-time operation and Mr. Mulhern is working full-time doing various jobs, but the committees of the association really perform an immense

amount of work every year and sometimes we do not give them adequate credit. This year we have the usual standing committees, 120 members serving on various committees. They represent 28 states including the District of Columbia and 10 foreign countries. All of the regions are represented on these committees. We have four special committees: (1) Information Coordination Committee, (2) News Letter Committee, (3) Financial Support Committee, a new committee which will try to look into ways to obtain more funds, and (4) A Central Office

Planning Committee to look into the future of our Central Office and getting more help for the Executive Director.

Dr. Nielsen added that we need more committee participation. We need more volunteers. The committee members generally serve for a 3-year period, with a total of 9 people on each committee and 3 people are re-appointed each year. Persons interested in serving on a committee next year should give their names to Paul Hunt.

President Nielsen then adjourned the meeting at 5:00 p.m.

### CONDENSED MINUTES OF THE FIRST MEETING OF THE 1977-1978 BOARD OF DIRECTORS MARCH 30, 1977, 8:00-12:00 AM

The meeting was called to order by President Lewis T. Nielsen.

Roll call: All members present - including President Nielsen, President-Elect Paul J. Hunt, Vice President Glenn M. Stokes, D. Bruce Francy, Harold C. Chapman, W.D. Murray, Thomas D. Mulhern, R.A. Costello, Frederick H. Lesser, Richard Axtell, James D. Gorman, E.E. Fetzer, Edgar S. Bordes, Louis J. Ogdan, Marsh E. Meyers, Gilbert L. Challet, M.E.C. Giglioli.

President Nielsen reviewed the items on the agenda and presented proposed committee appointments. These were subsequently approved, with various additions and changes (Attachment No. 22). Kenneth L. Knight had suggested that Richard Darsie be added to the Editorial Board of *Mosquito Systematics* and he will be added upon his return from El Salvador.

Any member of the Association may nominate any other member for office, and Dr. Nielsen suggested that Regional Directors, who serve as the Nominating Committee, contact members in their regions inviting nominations to be submitted to D. Bruce Francy, Chairman.

The *AMCA News Letter* has become a valuable means of communication and

President Nielsen recommended that the News Letter Committee be made a standing committee. This was done on motion by Harold Chapman, seconded by Fred Lesser and unanimously approved.

The new Financial Support Committee is to consider ways of obtaining additional support. All AMCA members, especially Regional Directors, are requested to offer suggestions for securing additional funds to Chairman Steele Lunt.

Executive Director Mulhern commented that there is urgent need in the foreign countries as well as in the United States for practical "how-to-do-it" manuals for practical mosquito control. He had inquired of several potential sources whether grant funds could be obtained for such a purpose, with some encouragement but no commitments. The NIH Grant which supports the preparation of the bibliography by Helen Sollers-Riedel had not been funded for the year June 1977-May 1978 at the time of the meeting, but approval was received in April. Chevron Chemical Company, through its public relations firm, has indicated that it might sponsor a motion picture film or other public information media for AMCA. Later on the agenda, time has

been scheduled for Mr. Rice to present the possibilities.

The Finance and Policy Committee was directed to continue development of the proposal originally made by Dr. Arthur Lindquist that AMCA establish an endowment fund. This proposal had universal approval of the Board of Directors.

Dr. Nielsen presented Mr. Robert L. Rice of Gibbs and Soell, Inc., public relations firm for Chevron Chemical Company and Mr. Richard Foelle of Chevron. They requested input from the Board of Directors relative to public information projects so that Chevron might undertake to advance AMCA programs. Four ideas are considered: two printing projects, consisting of a quality brochure on mosquito control, or an information kit that would be of use in working with the press, in community relations, etc. Two audio visual projects are also under consideration: a slide show with cassette tapes, and a motion picture. Board members enthusiastically expressed appreciation to Chevron Chemical Company, Mr. Foelle, and Mr. Rice for coming.

President Nielsen explained that the Association had been trying for several years to fund a film to present the mosquito control message to the public and to publicize our organization and its services. Dr. Giglioli stated that mosquito control is a global problem and that people everywhere should be shown that mosquito control is within their means. Mr. Mulhern commented that a good film could have prints with Spanish and French sound tracks, to encourage use in countries where English is not the principal language. Dr. Nielsen stated that he felt this was a marvelous opportunity for AMCA to get a film made through cooperation of Chevron Chemical Company. A motion was made by Paul Hunt that we accept the offer of Chevron for financial support on this project urging that this be in the form of producing a film for AMCA. Louis Ogden seconded the motion and it was approved unanimously. The Board discussion indicated that the ideal length of a film is about 22 to 24

minutes for T.V., service clubs, schools, etc. Dr. Nielsen appointed a committee to be known as "The Mosquito Control Film Scientific Advisory Board," naming Glenn M. Stokes as Chairman, and including Andrew J. Rogers, Thomas D. Mulhern, Harry D. Pratt, Richard F. Peters, and Anthony DiEdwardo.

Glenn Stokes moved that the committee be charged with evaluating returns from the questionnaire circulated by Bob Rice, determining the target audience of the film, and recommending its general content, to prepare a report within 3 months so that by July 1 the committee would submit recommendations to the Board of Directors for approval. Edward Bordes seconded the motion and it was approved unanimously. Dr. Nielsen directed that a letter be sent to Bob Rice and to Chevron expressing appreciation and reporting on the action by the Board.

Frank Murphey, representative to the National Fish and Wildlife Coordination Committee requested by letter that Fred Lesser be placed on that Committee. Accordingly, Fred Lesser has been appointed to serve with Frank Murphey. Professor Norman B. Akesson will continue work on the revision or replacement of Bulletin #1, now in second draft. Harold Chapman will continue work on Bulletin #6 and Dr. Nielsen requested Dr. Chapman to select a committee to assist in this project. Dr. Nielsen expressed the thanks of AMCA to Don Merritt, AMCA Librarian and Custodian of Publications, for an excellent job, and directed Mr. Mulhern to send a letter to the Consolidated Mosquito Abatement District expressing the appreciation of AMCA for permitting the use of their space for storage and for Mr. Merritt's time in conducting this operation for us. On motion by Louis Ogden, seconded by Richard Axtell, the committee appointments were approved unanimously (see list).

President Nielsen asked Dr. Richard Darsie to comment on the mosquito key, explaining that the Board was concerned about funding, since it was estimated that the cost of illustrating and printing both

keys would be about \$10,000, and it is beyond the financial ability of the Association to finance this project even though the investment might be recovered in time. Dr. Darsie pointed out that there is now an unusual opportunity to use a talented staff of artists that might not be available in the future, and there are trained people at the National Museum who would supervise the art work. The artists must do the work outside of regular working hours, which would mean that it would go fairly slowly, so funding would be required over an approximate 2-year period which may facilitate financing by the Association. The Publication Committee has recommended that Richard Darsie and Ron Ward be co-authors of the publication.

Dr. Nielsen suggested that the authors strive to make the keys useful to mosquito abatement workers on a regional level, since this publication should have maximum value to all members of AMCA.

Mr. Stokes suggested the use of pre-publication orders to help finance the project. After lengthy discussion, generally favoring this publication, Fred Lesser moved that AMCA fund the \$5,000 requested for illustrations and charge the Financial Support Committee to find the funds, primarily by going to each state or regional organization to request contributions to a fund sufficient to cover this amount. Glenn Stokes seconded the motion and it was approved unanimously.

Dr. Darsie requested that the Board appoint an Editorial Board for this key. Dr. Nielsen suggested that the key be a special AMCA bulletin, with Dr. Darsie as Chairman. He agreed, and Dr. Nielsen requested him to submit names for appointment. A further discussion was held of rising costs and the need to increase revenues.

Dr. Bickley stated that the anticipated costs for *Mosquito News* have been budgeted for 1977, but an increase will be needed for printing in 1978. Dr. Nielsen felt that at this time we should not now increase dues, but should re-examine our financial status in another year. Dr. Francy

proposed a change in the bylaws to permit the Board of Directors to set the amount of dues and fees. Mr. Mulhern added that the bylaws provisions regarding the procedure for counting ballots are too restrictive, requiring Executive Director and two officers to be present. This may not be possible. He suggested that the Bylaws Committee be asked to go through the bylaws completely and look for inconsistencies which should be corrected, and then go through the regular procedure for amendment before the end of this year.

Gilbert Challet moved that the Awards Committee be made up of five most recent past presidents. The motion was seconded by Glenn Stokes and unanimously adopted. Dr. Nielsen appointed Bruce Francy Chairman, and Harold Chapman, Kenneth Knight, Robert Altman and Glen Collett. He requested Chairman Francy to establish a procedure to canvas for nominations possibly through the *News Letter*, referring to the guidelines for the awards. The Meritorious Service Awards are left open to allow consideration of non-members.

President Nielsen asked for action on the recommendations of the Executive Director relative to the operation of the Central Office. Mr. Mulhern described the continuously increasing workload. It has been possible to handle the workload only because considerable volunteer help and cooperation has been available, but it has now been necessary to get additional help. A very competent senior high school girl has been employed part-time (up to 20 hours a week) at the minimum pay rate of \$2.85 per hour. The one full-time employee, Mrs. Linda Cavey, is very efficient and turns out an enormous quantity of work. She has gotten deeply into the spirit of service that characterizes AMCA. It is therefore recommended that her status be now advanced giving her a title representative of the work she is doing, accompanied by a 5% salary increase. After thorough discussion by the Board, Treasurer Murray proposed that the wage rates, etc., be left up to the Executive Di-

rector, and perhaps the Treasurer, to be developed in accordance with the local situation, based upon the concept presented to the Board of Directors. He moved that the title of Administrative Assistant to the Executive Director, as suggested by Dr. Nielsen, be approved and that the specific provisions for pay, workload, etc., be developed by the Executive Director, with assistance of other members of the Board that he may consult. Louis Ogden seconded the motion and it was approved unanimously.

Mr. Mulhern also explained that AMCA had not been providing Workmen's Compensation Insurance which is required by California State Law. The cost to cover the three employees in the Central Office will be \$75.00 per year, and coverage has been applied for.

The two portable tape recorders in use at this meeting had been purchased in 1976, but as an economy measure, purchase of an electric typewriter provided for in the budget has been deferred. However, it is recommended that this item be continued in the 1977 budget. A used Pitney Bowes Mailing Machine, valued at \$450.00 was purchased for \$60.00 from a company which had consolidated with another so that the machine became excess. This is a great labor-saver and will fill an urgent need of long standing, as well as giving us an exact daily record of postage used. A slug has been made for it, so outgoing mail now carries the message: "MOSQUITO CONTROL FOR A BETTER ENVIRONMENT." Other messages can be substituted as desired.

The placement service which AMCA conducts as a service to employers and to prospective employees, whether members or not, has had up to 53 applicants and 4 agencies have been aided in filling responsible positions. The handling costs in clerical time and postage are considerable, and candidates often do not notify AMCA when they change addresses, or when they are no longer valid candidates. Thus it appears that fees must be attached to this service to insure that all participants are

valid. It is therefore recommended as follows: that candidates be charged \$5.00 for a listing, and that prospective employers be charged \$10.00 for a copy of the list.

Dr. W.D. Murray made a motion, seconded by Marsh E. Meyers, that the recommendation of the Executive Director be approved unanimously to be effective for 1978.

Treasurer W.D. Murray had distributed a preliminary budget for 1977. Several changes are called for in accordance with actions of the Board of Directors: 1) The budget for printing and mailing *Mosquito News* should be \$32,000. 2) The illustrated key should be budgeted at \$5,000 for expenditures, and also for receipts. 3) The Directory cost \$574.00 and we may budget \$4,000 for receipts. 4) The 8-page color brochure is estimated to cost \$6,500, and we will budget for the same amount as anticipated receipts from sales. A budget item for the film will in due course be shown as a separate account which the grantor can show in his tax reports as a contribution to AMCA. No action need be taken at this time. The budget, with changes approved at this time, is included in Attachment No. 4, and was approved unanimously.

It was the consensus that rising costs indicate that there is a need to increase dues, but this will involve a change in the bylaws, so it cannot be accomplished for 1978. It was therefore suggested that the Bylaws Committee take this matter under advisement, and perhaps draft a change that would empower the Board of Directors to set the dues and fees. The establishment of "student memberships" should be considered. It was also suggested that the Bylaws Committee re-study the complete document and propose any other changes that would improve it as the primary guide for the organization and activities of the Association. Glenn Stokes proposed that the Bylaws Committee consider the matter of selecting Regional Directors of AMCA, with full input from the Region, to insure that the best possible candidates be given

opportunity to serve and he suggested a procedure which the Bylaws Committee may study.

Mr. Mulhern cited the desirability of strengthening our ties with the local and state associations, without in any way encroaching upon their autonomy. He pointed out that mutual good will has prevailed and that we often do have ties through mutual office holding. As a means of recognizing the relationship that exists and to improve communications through our regional directors, he suggested that the Bylaws Committee consider providing for AMCA to invite local and state associations to name official delegates to attend the AMCA meetings and to communicate between meetings with AMCA regional directors. This proposal met with general approval and was referred to the Bylaws Committee for study, on a motion made by Glenn Stokes, seconded by Paul Hunt, and unanimously approved.

After discussion of a suggestion that AMCA consider extending its annual meetings to 4 days to better accommodate the large number of submitted papers, the suggestion was tabled.

Consideration had been given previously to a suggestion that AMCA and the local or state associations name a joint "steering committee" to work up the plans for the respective joint meetings, but no action had been taken. Mr. Fetzer, who is in charge of planning the Chicago joint meeting in 1978, indicated that he thought such a committee would be helpful in providing answers to a number of questions about the meeting which he laid before the Board of Directors. Accordingly, Fred Lesser moved that a steering committee as outlined in the report of the Finance and Policy Committee be established to work closely with the representatives of the local association for this and other meetings. Bruce Francy seconded the motion and it was passed unanimously.

The committee will consist of E.E. Fetzer as Co-chairman for the host association (since he is Chairman of Local Arrangements for the Illinois Association,

such other members as may be named by the Illinois Association, and representing AMCA, Glenn M. Stokes as Co-chairman, E.E. Fetzer, Regional Director, and non-voting ex officio members President Nielsen and Executive Director Mulhern.

It was agreed that the host association will not print the papers; they will be published in *Mosquito News*.

To help defray the costs of printing the papers, Fred Lesser moved that it be the policy for joint meetings to provide the American Mosquito Control Association \$10.00 for each registration, plus half the remaining profits from the annual meeting after all costs relating to the meeting are paid. Glenn Stokes seconded the motion and it was passed unanimously.

Mr. Mulhern reported on a letter received from Bruce Shank, Editor of *Pest Control Magazine*, proposing to cooperate with AMCA in updating an extensive statistical evaluation of mosquito control operations which was produced jointly as a large book of facts about 10 years ago. Since Gilbert Challet was the prime mover in assembling the Directory of Agencies which will be very useful in updating the study with *Pest Control Magazine*, it would be logical that he be in charge of the joint effort with *Pest Control*. Mr. Challet agreed to take over this task.

Mr. Mulhern also presented correspondence with the Superintendent of Everglades National Park, referring to public information displays in that park which realistically present to all the visitors a factual account of the biological control values of the mosquito fish, and the benefits of mosquito fish in the food chain of larger, sport fish species.

Dr. Nielsen particularly thanked Dr. Steven Romney for his extraordinary efforts to enlist new members and under the Regional Directors to actively support this campaign and the efforts to solicit advertising for *Mosquito News* and participation in the 1978 meeting at Chicago by exhibits and by sponsoring special activities since the regional directors know the suppliers of agencies in their regions. Dr. Nielsen asked Mr. Mulhern to prepare

a list of functions of Regional Directors and Mr. Mulhern said he would do so.

Dr. Francy asked when the minutes of the Board Meeting would be available and was told that the editor wanted the minutes in 3 weeks to meet the *Mosquito News*

schedule. In view of this discussion, copies will be sent to the Board and to the committee chairmen as soon as they are prepared for *Mosquito News*.

The meeting adjourned at 12:20 pm.

## ATTACHMENT NO. 1

### REPORT OF THE NOMINATIONS COMMITTEE

On May 24, 1976, the members of the Committee were requested to nominate candidates for Vice President by July 1. Seven names were received and on July 22, these were submitted to the Committee members with a request that they vote for two by September 1. Glenn M. Stokes and T. Oscar Fultz received the highest number of votes and were therefore declared the nominees for Vice President. Paul Hunt and W. D. Murray were the sole nominees for President-Elect and Treasurer.

An outline or format for uniform biographical data for future nominees is recommended as follows:

#### Biographical Data for Nominees for AMCA Office

1. Name and date of birth.
2. Business address.
3. Present job title.
4. Post high school education - schools, dates and degrees received or major study areas.
5. Chronological account of professional vector control operations/research activities with inclusive dates and job titles

or descriptions.

6. AMCA activities.
  - a. Dates of membership.
  - b. Elected AMCA offices—titles and dates.
  - c. Committee memberships—names and dates.
  - d. Titles of presentations given or description of other types of participation in annual meetings—include dates.
  - e. Other AMCA activities—brief description and dates.
7. Non-AMCA and Regional or Local Vector Control/Research Activities.
  - a. Brief description of elected offices, committee memberships, etc.—give dates and names or organizations.
  - b. Titles or descriptions of presentations and groups to which given.
  - c. Other activities.
8. Membership in Professional Societies.

Respectfully submitted,

H. C. Chapman, Chairman, Roy Ellis, Robert W. Spencer, Richard Axtell, James D. Gorman, H. D. Newson, Louis J. Ogden, John E. Beard, Marvin C. Kramer, Marco Enrico C. Giglioli.



## ATTACHMENT NO.2

## REPORT OF THE EXECUTIVE DIRECTOR

## NECROLOGY

Necrology: It is saddening to report the passing during the year of several members of AMCA (Attachment No. 21).

## DOCUMENTATION

Many of the papers presented at the 1976 meeting in Boston were printed in *Mosquito News*, mainly in V36, No. 4. The proceedings of the business meetings appear in the same number. Volume 36 (1976) includes 604 pages of text.

*Mosquito Systematics*, V8, 1976 contains 466 pages of text. There are now 283 subscriptions, a gain of 36 over 1975. This publication is now nearly self-supporting.

Four issues of *The AMCA News Letter* were printed and distributed. Officers and Committees are using it to communicate directly with members. It goes by low cost bulk mail to members in the USA, and by air mail to members overseas, thus providing quick communication. The costs are relatively low. Each *News Letter*, carrying 8 to 12 separate messages, runs about \$600 total for all costs including printing. A single first-class letter presenting one item would cost for postage about \$400.

Gilbert Challet has produced a "Directory of Mosquito Control Agencies in USA and Canada." He has suggested that it be sold at a price of \$10.00 per copy; a low price considering the amount of work involved in compiling it.

The printed list of members updated to October 15 and published in December 1975 *Mosquito News* has already become severely outdated. It was previously proposed to publish changes once a year in *Mosquito News*, and to reprint the complete corrected list every 5 years. However, there are so many changes that it is now proposed to reprint the entire list every year as a separate, to be sold to recover part or all of the cost. An updated list should also be printed once every 5 years in *Mosquito News* for a permanent record.

Out-of-print back numbers of *Mosquito News* have been reprinted for us by CMCA Press, beginning in 1974, as follows:

8/14/74	June 48, V8#2	\$216.65
2/5/75	March 71, V31#1	540.68
9/15/75	June 68, V28#2	652.50
1/5/76	March 67, V27#1	541.39
12/14/76	June 66, V26#2	644.29
12/14/76	March 42, V2#1	186.77
1/14/77	March 57, V17#1	254.82

8 numbers \$3,673.05

The few remaining out-of-print numbers will be reprinted by mid-summer, and we should make an intensive effort through the *News Letter* to sell off the excess inventory of *Mosquito News*, *Mosquito Systematics*, and the various *Bulletins*.

## PLACEMENT SERVICE — AMCA

During 1976 there were 53 names on the list of candidates. Four agencies have been helped to find employees to fill responsible positions, three of which were advertised in the *AMCA News Letter*. This valuable service, by IRS rules, must be available to non-members as well as to members. It is costly in time and postage to maintain, so to recover our costs I recommend that we make it a subscription service, to be announced periodically in the *News Letter*. It could operate as follows:

- Each candidate would be charged \$5.00 for a listing, allowing up to 150 words to describe his qualifications.
- Agencies seeking employees (and anyone else who wanted a copy of the list) would be charged \$10.00
- Open positions would be listed in the *AMCA News Letter*. Agencies advertising a position in *Mosquito News* at the regular rate would receive the candidate list and one listing in the earliest possible *News Letter* at no extra cost.
- This suggested procedure would

take effect January 1, 1978. For the balance of 1977 the listings would continue as at present, except that new candidates and prospective employers each would be invited to voluntarily contribute \$5.00 to help defray the costs of the service.

#### WORK LOAD

The work load of the Central Office continues to increase in a number of ways, and we have had to obtain part-time help. Mrs. Linda Cavey's responsibilities are steadily increasing, and I therefore propose that effective April 1, 1977 her position be reclassified, commensurate with her increased duties, and with a 5% salary increase. Her new duties would include direct handling of many problems relating to billing, mailing, mail losses, writing subscribers, agents, etc., as well as continuing most of the bookkeeping chores and preparation of tax reports, under my direction.

It is apparent that we should be pointing toward the employment of perhaps two full-time persons to add to the clerical staff, to keep up to our increasing program of service to members and to the public. However, until additional funding is found, we must restrict our activities to what we can accomplish with present staff and volunteer help.

#### DIRECTORY

A kind of cooperation that is extremely valuable is ideally exemplified by the compilation of the Directory of Agencies by Gilbert Challet, with help from John Marienau and the computer section of ICI United States, Inc., which supplied camera-ready copy for printing by offset, which was done by member John Shanafelt on his professional press, at a very favorable cost figure. If other members of AMCA can be found who will voluntarily accept unit work projects of this sort, the functions of the association can be broadened accordingly.

#### REGIONAL MEETINGS

Your Executive Director has promoted

participation in AMCA affairs by attending 5 regional meetings; Florida Anti-Mosquito Association, Sarasota; Northwest Mosquito and Vector Control Association, Corvallis; Society of Vector Ecologists, Fresno; California Mosquito and Vector Control Association, Palm Springs; and Mid-Atlantic Mosquito Control Association, Williamsburg. It is encouraging to note the increase in the number of local associations, but there is a continuing need for such organization in portions of the country not already covered. Probably some administrative mechanism should be devised for better recognized ties between AMCA and the several local associations, to strengthen the already existing cordial and friendly cooperative relations without encroaching upon the complete autonomy and freedom of the individual associations.

#### GRANTS

The central office of AMCA continues to administer the NIH Grant which supports the preparation by Mrs. Helen Sollers-Riedel of the Reviews which are published in the Proceedings of the New Jersey Mosquito Control Association, and the bibliographies that are published in *Mosquito News*, JOURNAL OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION. This project serves an important world-wide need, and is greatly appreciated by workers in many countries.

Various other potential grant sources have been approached to determine if it may be possible to obtain funds for specific, defined projects that AMCA has not been able to undertake. These contacts have been exploratory only, and may ultimately yield results.

#### TRAINING

A training program organized as a traveling seminar and sponsored by USAID and PAHO for specialist personnel mainly from Pan American countries was held in California and El Salvador in July and August. The California portion was coordinated by your Executive Di-

rector, with participation by the California Department of Health, the University of California, the Alameda Naval Air Station Vector Control Section, and a number of mosquito abatement districts, from Solano and San Joaquin Counties to Orange County. Following the training in USA, the group moved on, accompanied by your Executive Director, to apply the results of the training to specific problem situations in El Salvador.

Frequent requests for information from newly formed or expanding agencies within the USA and in other areas indicate that AMCA might well consider serving as a clearing house to organize cooperative training programs.

Urgent mosquito and mosquito control problems abound in many parts of the world, and it is evident from many queries reaching AMCA that the potential for expansion of AMCA services is limited only by the available resources.

Some services included in the following list are already under consideration or have been initiated, but others must be held in abeyance:

1. Development of recommended standards and recommendations for practical mosquito control programs.
2. Directory of equipment and supplies.
3. Directory of available speakers.
4. Directory of technical specialists.
5. Special "How to do it" publications series:
  - a. How to form a mosquito control agency.
  - b. Survey and surveillance.
  - c. Evaluation.
  - d. Comprehensive control:
    - Naturalistic measures
    - Biological control measures
    - Physical control measures (source reduction) (land and water management)
    - Chemical control measures:
      - Larviciding
      - Adulticiding
    - Landholder responsibility to avoid mosquito production.

Legal liability. Safe and legal operation, environment protection, etc.

- e. Cooperation, and coordination with planning agencies and other operational agencies.
6. Technical services bureau: List of qualified persons to make surveys, advise local communities desiring to establish a program, or to have existing program reviewed. List of qualified managers, technical specialists, etc. List of commercial pest control operators and agencies, available for ground or aerial vector pest control operations. List of qualified persons available for services to world-wide or other country vector control agencies. Special list of qualified persons willing to contribute services, and conditions under which they can become available.
7. Public information media.
  - a. Brochure for general distribution.
  - b. Brochure for distribution to governing boards, citizens' committees, health departments, etc.
  - c. Sets of color slides with synchronized cassette tapes, and written commentary.
  - d. Motion picture film, suitable for general showing, or TV presentation.
8. Acceptance of grants for technical development, to sublet portions to qualified persons in various locations where segments of the problem may be solved; may involve federal, state, local agencies, universities, commercial agencies and/or suppliers, etc.
9. Maintenance of "technical bureau" to which technical questions can be referred, and to which statements of technical advances may be referred for review.
10. Training programs organized in connection with annual meetings, to gain greatest returns from travel

costs, and to take advantage of specialist personnel as instructors, while they are assembled at a par-

ticular location. Respectfully submitted, Thomas D. Mulhern, Executive Director.

ATTACHMENT NO. 3

Editor's Note: The usual letter (see *Mosquito News* 36(4):561) concerning transactions during 1976 was presented by Lowell D. Smith, CPA. The detailed report is in

the hands of all directors and officers. The following statement reveals the financial condition of the Association and actually represents the treasurer's report for 1976.

AUDITOR'S REPORT

AMERICAN MOSQUITO CONTROL ASSOCIATION, INC.  
STATEMENTS OF CASH RECEIPTS AND DISBURSEMENTS  
WITH BUDGET COMPARISONS  
DECEMBER 31, 1976

RECEIPTS	Actual	Budgeted	Over (Under)
Dues and Subscriptions	\$34,807.42	\$34,000.00	\$ 807.42
Advertising	9,341.85	9,000.00	341.85
Reprint	4,060.55	4,000.00	60.55
Back Issues— <i>Mosquito News</i>	953.75	1,500.00	( 546.25)
NIH Grant	17,430.00	7,000.00	10,430.00
Miscellaneous	123.76	100.00	23.76
Annual Meeting	2,000.00	2,000.00	—0—
Bulletins	652.06	2,000.00	( 1,347.94)
Page Charges	9,564.86	7,000.00	2,564.86
Dividends and Interest	4,960.58	4,500.00	460.58
<i>Mosquito Systematics</i>	3,592.71	2,500.00	1,092.71
Sales Tax Collected	16.61	—0—	16.61
<b>TOTAL RECEIPTS</b>	<b>\$87,504.15</b>	<b>\$73,600.00</b>	<b>\$ 13,904.15</b>
<b>DISBURSEMENTS</b>			
<i>Publication Expenses</i>			
<i>Mosquito News</i> Printing and Mailing	\$29,909.23	\$33,000.00	\$( 3,090.77)
<i>Mosquito News</i> Reprint Communications	2,804.46	3,500.00	( 695.54)
Clerical Help	300.00	1,000.00	( 700.00)
Travel Expenses	1,878.42	2,500.00	( 621.58)
Remuneration	580.00	700.00	( 120.00)
Miscellaneous Printing	600.00	600.00	—0—
Back Issues	—0—	—0—	—0—
Bulletins	1,364.08	2,000.00	( 635.92)
<i>Mosquito Systematics</i>	610.85	4,000.00	( 3,389.15)
	3,816.15	5,000.00	( 1,183.85)
	<b>\$41,863.19</b>	<b>\$52,300.00</b>	<b>\$(10,436.81)</b>

RECEIPTS	Actual	Budgeted	Over (Under)
<i>Executive Office Expense</i>			
Postage and Telephone	\$ 2,813.16	\$ 2,500.00	\$ 313.16
Forms and Printing	1,479.88	1,500.00	( 20.12)
Office Expenses	909.81	1,800.00	( 890.19)
Travel and Miscellaneous	2,331.43	4,000.00	( 1,668.57)
Clerical	9,752.31	11,000.00	( 1,247.69)
Remuneration—Ex-Director	3,000.00	3,000.00	—0—
Capital	402.33	1,050.00	( 647.67)
	<u>\$20,688.92</u>	<u>\$24,850.00</u>	<u>\$( 4,161.08)</u>
<i>Treasurer's Office Expense</i>			
Clerical and Supplies	\$ 150.00	\$ 150.00	\$ —0—
Audit	490.00	500.00	( 10.00)
Travel	425.00	450.00	( 25.00)
	<u>\$ 1,065.00</u>	<u>\$ 1,100.00</u>	<u>\$( 35.00)</u>
<i>Advertising Office Expense</i>			
Clerical	\$ 27.89	\$ 600.00	\$( 572.11)
Travel	175.00	225.00	( 50.00)
	<u>\$ 202.89</u>	<u>\$ 825.00</u>	<u>\$( 622.11)</u>
<i>General Expenses</i>			
Membership Committee	\$ 668.30	\$ 2,500.00	\$( 1,831.70)
Bibliography—NIH Grant	17,591.00	8,000.00	9,591.00
President's Office	731.00	1,000.00	( 269.00)
Regional Expense	28.75	300.00	( 271.25)
Miscellaneous	646.95	650.00	( 3.05)
Taxes—Payroll	515.56	500.00	15.56
Sales Tax	32.44	25.00	7.44
1979 Conference Advance	—0—	1,000.00	( 1,000.00)
	<u>\$20,214.00</u>	<u>\$13,975.00</u>	<u>\$ 6,239.00</u>
<b>TOTAL DISBURSEMENTS</b>	<u><u>\$84,034.00</u></u>	<u><u>\$93,050.00</u></u>	<u><u>\$( 9,016.00)</u></u>
Fund Balance—January 1, 1976	\$77,180.65		
Excess—Receipts over Disbursements	3,470.15		
Add: Capital Expenditure	402.33		
Fund Balance—December 31, 1976	<u><u>\$81,053.13</u></u>		

## ATTACHMENT NO. 4

TREASURER'S REPORT  
1977 BUDGET AS AMENDED (Approved, March 30)

ESTIMATED RECEIPTS Acct. No.	Description	Amount
401.1	Dues	\$ 24,000.00
401.2	Subscriptions	10,000.00
402	Advertising	9,000.00
403	Reprints	4,000.00
404	Back Issues <i>Mosquito News</i>	1,500.00
405	NIH Grant	16,000.00
406	Miscellaneous	100.00
407	Annual Meeting	5,000.00
408	Bulletins	2,000.00
409	Page charges	9,000.00
* 410	Dividends to Checking	4,500.00
411	<i>Mosquito Systematics</i>	2,500.00
412	Sales Tax Reprints	0.
413	Sale of Miscellaneous Publications	10,500.00
	a) Illustrated Key	\$ 0.
	b) Color Brochure	6,500.00
	c) Directory	4,000.00
	Subtotal	98,100.00
	Reserves available	13,524.00
	Total Receipts	\$111,624.00

\* Does not include interest on savings accounts which remains in bank savings.

## ESTIMATED EXPENDITURES

Acct. No.	Description	Amount
500	<i>Publication Expenditures</i>	
501	<i>Mosquito News</i> Printing & Mailing	\$ 32,000.00
502	<i>Mosquito News</i> Reprints	3,500.00
503	Editor, Communications & Supplies	1,000.00
504	Editor, Clerical Help	2,500.00
505	Editor, Travel Expenses	1,150.00
506	Editor, Remuneration	600.00
508	Reprint Back Issues <i>Mosquito News</i>	1,200.00
509	Bulletins	4,000.00
510	<i>Mosquito Systematics</i>	5,000.00
511	Special Printed Items	12,074.00
	a) Illustrated Key	\$5,000.00
	b) Color Brochure	6,500.00
	c) Directory	574.00
	<b>Publications Subtotal</b>	<b>\$ 63,024.00</b>
525	<i>Executive Office Expenditures</i>	
526	Postage and Phone	\$ 3,000.00
527	Forms and Printing	1,600.00
528	Office Supplies and Miscellaneous	1,800.00
529	Executive Director Travel	4,000.00
530	Clerical Help	12,000.00
531	Fidelity Bond	150.00
533	Executive Director Remuneration	3,000.00
534	Capital	900.00
	<b>Executive Office Subtotal</b>	<b>\$ 26,450.00</b>
550	<i>Treasurer Expenditures</i>	
551	Clerical and Supplies	\$ 150.00
552	Audit	500.00
553	Travel	350.00
554	Fidelity Bond	150.00
	<b>Treasurer Office Subtotal</b>	<b>\$ 1,150.00</b>
575	<i>Advertising Office</i>	
576	Clerical and Supplies	\$ 300.00
577	Travel	0.
	<b>Advertising Office Subtotal</b>	<b>\$ 300.00</b>
600	<i>General Expenses</i>	
601	Committee Expenses	\$ 1,000.00
602	Bibliography	16,000.00
603	President's Office	1,000.00
605	Regional Expenses	300.00
606	Miscellaneous Expenses	750.00
607	Payroll Taxes	600.00
610	Sales Tax	50.00
611	1979 Conference Advance	1,000.00
	<b>General Expenses Subtotal</b>	<b>\$ 20,700.00</b>
	<b>Total Expenditures</b>	<b>\$111,624.00</b>

## ATTACHMENT NO. 5

REPORT OF THE EDITOR OF *MOSQUITO NEWS*, 1976

	No. of articles		Pages of articles	Average no. pages per article	Total no. pages
	Received	Published			
Vol. 35 (1975)	128	97	415	4.3	721
Vol. 36 (1976)	159	115	466	4.1	703

Figures above show increases in number of manuscripts received and papers published. This trend has been obvious during the past 5 years. The rate of submissions began to accelerate rapidly in December, 1976 with the result that a sizable backlog now exists, and publication delays of over 6 months will be inevitable. If the backlog is reduced by putting a larger than usual number of articles in the September number a budgetary deficit will follow. In anticipation of 60 papers generated by the New Orleans meeting I shall request an increase of \$5,000 for the 1978 budget

year.

It should be noted that in 1976 the number of pages devoted to articles was 61% of the total number of pages printed.

Each number of Vol. 36 came off the press in the month of stated issue.

I cannot overemphasize the splendid support I receive from Mrs. Slater and other staff members including the advertising manager, from the editorial board, many anonymous reviewers, and the Operational Articles committee.

Respectfully submitted,  
William E. Bickley

## ATTACHMENT NO. 6

REPORT ON *MOSQUITO SYSTEMATICS* FOR 1976

Four numbers with a total 444 pages were published in 1976 (Volume 8). A total of 27 articles representing 31 different authors were involved. Approximately 290 subscriptions were in existence sometime within the year.

I will no longer report on the finances involved in publishing *MOSQUITO SYSTEMATICS* since all such matters now go through the Executive Director's office. I wish to commend both Tommy

and Linda Cavey for their kind and totally efficient cooperation and assistance. Both my assistant, Rita Reynolds, and I have found it a pleasure to work with them.

The first issue of the ninth volume will appear about March 20. For the first time the names of a duly constituted Editorial Board will appear on the inside cover. Kenneth L. Knight, Editor, *Mosquito Systematics*.



## ATTACHMENT NO. 7

## REPORT OF THE NEWS LETTER COMMITTEE

With the distribution of the February 1977 issue of the AMCA *News Letter*, eight issues have been produced and it is now a well established publication of the Association, under the able editorship of Tommy Mulhern.

With its advantages of speed and economy, the *News Letter* continues to serve as a sort of public forum for the exchange of ideas and opinions as well as to communicate noteworthy events concerning AMCA, including regional and national meeting information.

Whereas the committee has no recommendations for improving the *News Letter*, it urges AMCA members, especially those on the Board of Directors, Committee Chairmen and Regional Directors to make greater use of this publication. The committee also commends the Editor for a job well done.

Respectfully submitted, Don W. Micks, Chairman for the *News Letter* Committee, Donald J. Pletsch, Joseph A. Sheman-chuck, Douglas C. White

## ATTACHMENT NO. 8

## REPORT OF THE LOCAL ARRANGEMENTS COMMITTEE

The Local Arrangements Committee provided a 30-page statistical report detailing the planning for the meeting. This report will be of primary benefit as guide lines for the planning committee for the

1978 annual meeting, and has been referred to that committee. It has been omitted as an economy measure. The report was furnished by George Carmichael and Glenn Stokes.

## ATTACHMENT NO. 9

## REPORT OF THE PROGRAM COMMITTEE FOR THE JOINT MEETING OF AMCA AND LMCA

Advice was sought and many helpful suggestions were received from the officers of both associations prior to deciding on the format for the program.

The Program Chairman met with George Carmichael, General Chairman of the Meeting Arrangements Committee and Glenn Stokes, Chairman of Exhibits, on two occasions.

The response to the calls for papers has been gratifying, and a near record number of papers (145) are programmed.

The City of New Orleans has a strong appeal to visitors, and the knowledge that George Carmichael and Glenn Stokes would go all out to arrange an outstanding meeting caused many to exert the extra effort to attend.

The subject matter appears to be well balanced.

During the first week in March, notices were sent to all presiding officers, moderators and speakers suggesting ground rules for the conduct of the program.

The Program Chairman recommends that consideration be given by the Board of Directors to extending the meeting to 4 days of paper sessions to avoid the scheduling of concurrent sessions. The overall educational value of the meeting

may be hampered when choices must be made by members relative to the papers to be heard.

Respectfully submitted,  
Paul J. Hunt, Chairman, Norman B. Akesson, George T. Carmichael, William Bruce Ezell, Jr., D. Bruce Francy, Thomas O. Fultz, Jr., Jay E. Graham, Gary A. Mount, Thomas D. Mulhern, Lewis T. Nielsen, Harry D. Pratt, Andrew J. Rogers, Glenn M. Stokes.

## ATTACHMENT NO. 10

### 1976 ANNUAL REPORT OF THE MOSQUITO NEWS EDITORIAL BOARD

The Editorial Board of *Mosquito News*, in response to suggestions from various members of AMCA, has recommended a change in the placement of the Table of Contents so that it will be printed on the front cover and continued on the inside of the front cover. This change will require changes in the placement of other printed information which will be accomplished by the Editor within the constraints of postal regulations. It is expected that these changes will appear in the first issue of 1977.

The Editorial Board expresses, on behalf of the members of AMCA, sincere

appreciation to the dedicated, hard work performed by Editor William Bickley and Assistant Editor Margaret Slater. The efforts of Hugo Jamnback, Donald Weidhaas, Helen Sollers-Riedel and Austin Morrill are much appreciated. Special thanks are expressed to Glenn Stokes for handling the advertising in *Mosquito News* this year. All of these persons and many anonymous reviewers have made it possible to continue publication of a respected journal.

Richard C. Axtell, Chairman, Maurice W. Provost, Bettina Rosay, R. A. Brust, G. A. H. McClelland

## ATTACHMENT NO. 11

### CONDENSED REPORT OF AMCA PUBLICATIONS COMMITTEE

The main thrust of committee activity this year was to present via the Newsletter the arguments pro and con regarding the issue raised last year of changing the name of *Mosquito News*. The issue has been de-

bated this year and the Committee now recommends that the full membership be offered a written ballot to express their views.

If this poll favors a name change, then

this Committee or special committee should undertake the task of narrowing the list of acceptable new names. These should then be presented for a full membership vote. Titles such as Mosquito Research & Control, Mosquito Bulletin, Journal of Mosquito Biology & Control and Journal of the American Mosquito Control Association seem to have the widest appeal. However, there is considerable support for the idea of broadening the base of AMCA and these proponents favor substituting the word vector for mosquito or inserting it parenthetically after the word mosquito, e.g., Vector Research & Control or Journal of Mosquito (Vector) Biology & Control. Thus, the new AMCA policy statement being formulated by the Finance and Policy Committee should be carefully considered in the selection process.

Progress toward the publication of a new bulletin—"Identification and Distribution of the Mosquitoes of North America North of Mexico"—with illus-

trated keys to adult females and 4th instar larvae, has been disappointing. The Board of Directors is urged to take the following steps:

1. Appoint Drs. Richard Darsie and Ron Ward to co-author this new bulletin.

2. Authorize expenditures (which should be recoverable by sales) for the printing costs and \$5,000 for the preparation of the drawings needed to illustrate these keys.

3. Appoint an editorial board to oversee collation and publication.

Finally, the committee would like to see adopted more of the suggestions offered last year regarding the style and format of our journals. Some progress has been noted but other suggestions which were apparently well received by the Board remain unimplemented.

Respectfully submitted,

Mel Boreham, Richard Darsie, Robert Jones, Gary Mount, James Petersen, Andrew Spielman, Don Sutherland, Ron Ward, John Edman, Chairman.

## ATTACHMENT NO. 12

### REPORT OF THE OPERATIONAL ARTICLES COMMITTEE

The Committee worked diligently in 1976 to stimulate operational articles to be published in *Mosquito News*.

#### DUTIES OF OPERATIONAL ARTICLES COMMITTEE

- A. Encourage mosquito control personnel to write and submit articles regarding operational matters to *Mosquito News*.
- B. Chairman to assign each committee member a list of mosquito control agencies to contact to encourage reporting of the most important opera-

tional developments in mosquito control work.

- C. Chairman prepares and submits a written report of committee activities to each member of the Board of Directors 30 days prior to the annual meeting. Include committee recommendations at the end of the report in numbered sequence.
- D. Chairman presents to the Board of Directors at the annual meeting a brief resume of the problems or items that the committee considered in developing its recommendations.

## ACTIVITIES OF THE COMMITTEE

1. Letters written by chairman—177
2. Letters written by committee—333
3. Telephone calls—14
4. Personal contacts—4
5. Operation articles submitted to Editor—8
6. Operation articles reviewed—8
7. Committee budget for 1977—\$100.00

## RECOMMENDATIONS FOR OPERATIONAL ARTICLES COMMITTEE—1977

1. Solicit operational articles in all issues of *Mosquito News*.
2. Solicit operational articles in all AMCA

*News Letters.*

3. More correspondence with Regional Directors.
4. More correspondence with State Association Presidents.
5. More correspondence with the editor of *Mosquito News*.
6. More correspondence with the AMCA officers.
7. Begin soliciting operational articles today.

## Respectfully submitted:

Lewis E. Fronk, Chairman, Oscar Fultz, Wayne, C. Machado, E. E. Fetzer, Larry J. Nielsen, Richard LaSalle, George B. Stains, Kelly Moseley, Robert D. Sjogren

## ATTACHMENT NO. 13

## REPORT ON THE DIRECTORY OF MOSQUITO CONTROL AGENCIES

This project started in January 1976 and was finished on March 14, 1977. There were 1,000 copies printed and the total cost for printing was \$564. An additional \$10.00 charge was incurred for the special forms needed for typing. Total cost was then \$574 or 57.4 cents per copy. It is estimated that with postage and envelope, a Directory mailed to a purchaser would cost AMCA \$1.00. This does not include handling and billing.

There are 533 agencies listed in the Directory of which 40 are from Canada. There were 63 agencies or 11% that did

not respond to the questionnaire.

The Board of Directors should consider a time schedule for reprinting the Directory. With the format established, the agencies verified and little research needed, the time needed for production of the Directory could be reduced to half of what it took for this initial printing. Recommendation: I recommend that the price for *Directory of Mosquito Control Agencies* be established by the Board of Directors at \$10. per copy to those wishing to purchase a copy. Respectfully submitted, Gilbert L. Challet

## ATTACHMENT NO. 14

REPORT OF THE 1976 AMCA MEMBERSHIP COMMITTEE  
RECRUITING ACTIVITIES

The following procedures and activities were completed in the course of the 1976 AMCA membership recruitment campaign:

1. Form letter to selected current AMCA members requesting that they submit names and addresses of non-member associates.

2. Letters soliciting all regional mosquito abatement district trustees for membership.
3. Letters to regional mosquito abatement and vector control directors soliciting participation in recruiting.
4. Cordial letters of appreciation soliciting membership of all advertisers in *Mosquito News*.
5. Cordial letters of appreciation soliciting membership of all exhibitors at the New Orleans March 27-30 meeting of AMCA.
6. Strong personal membership appeals by all AMCA Membership Committee members at all pertinent meetings.
7. Appealing, aggressive displays soliciting membership at regional meetings.
8. Aggressive membership appeals in "Mosquito News Letter."

In addition, mailings of letters soliciting AMCA membership were forwarded to non-member individuals affiliated with, or participating in the following:

9. New Jersey Mosquito Control Association.
10. Florida Anti-Mosquito Association.
11. Joint meeting of the AMCA and NMCA.
12. Society of Vector Ecology.
13. Northwestern Mosquito Control Association.
14. Mid-Atlantic Mosquito Control Association.
15. Non-member authors submitting papers for publication in *Mosquito News*.
16. *Mosquito Systematics* subscription list, foreign and domestic.
17. Selected members of Entomological Society of America (Trial, 500 only).

AMCA Membership Committee Cost Expenditures for Recruitment Campaign Reimbursable budget expenditures through 1976 for costs of postage, printing, envelopes, etc., were inclusive of \$253.15. Unclaimed expenditures of at least \$250.00 were made by committee members for additional of the above materials, related supplies and telephone calls.

Total Expenditures for 1976: \$503.15 (Approximately)

#### RECOMMENDATIONS FOR FUTURE AMCA MEMBERSHIP COMMITTEE ACTIVITIES:

1. In view of steadily increasing costs, greater emphasis should be placed upon regular, aggressive, personal solicitation by committee members and others.
2. Members of the AMCA Membership Committee to formally appoint one or more select persons, in addition to themselves, to independently solicit new memberships.
3. Regional Directors serving collectively as the AMCA Membership Committee to continue.
4. Membership/subscription forms should be requested by and supplied all AMCA officers and regional directors for their regular use.
5. The established mode of recruiting non-AMCA members attending national, regional and local mosquito and vector/pest control meetings and like solicitation of contributors to *Mosquito News* and exhibitors at meetings should be continued. Each exhibitor should be personally contacted, on location, at all pertinent meetings.
6. Current membership cancellation lists for each region should be supplied to Regional Directors and committee chairman to facilitate the contact of those ex-members for new recruitment efforts.
7. Aggressive membership recruitment should be a regular, serious topic at all national, regional and local mosquito and vector control meetings.
8. An AMCA representative should work closely with regional academic institutions, public health related institutions and agencies, and make every effort to recruit new memberships.
9. Wherever possible, mosquito abatement and vector control directors and their respective boards of commissioners/trustees should be personally contacted.

10. The current policy of direct mail solicitation of new members from sources regularly contacted should continue, but, for reasons of budgetary restrictions, messages recruiting membership might be published in the bulletins or other selected periodicals of major associations.
11. New membership recruitment should be continued, vigorously, immediately after the New Orleans meeting.
12. *All AMCA members should take an active interest in, and regularly promote membership and participation in our fine organization.*

*ship and participation in our fine organization.*

Nine sample letters which were regularly employed in the course of the 1976 Membership Committee recruitment campaign were displayed.

Submitted by Steven V. Romney, Chairman, on behalf of the 1976-1977 Membership Committee:

Richard Axtell, John E. Beard, Edgar S. Bordes, Roy Ellis, Marco Enrico C. Giglioli, James D. Gorman, Marvin C. Kramer, Harold D. Newson, Louis J. Ogden, Robert W. Spencer.

## ATTACHMENT NO. 15

### CONDENSED REPORT OF MOSQUITO NEWS ADVERTISING MANAGER

Upon assuming the position of Advertising Manager in mid-year of 1976, I have made progress in retaining existing advertisers and obtaining several new advertisers.

I feel that, due to our increased circulation and inflationary costs, our advertising rates should be increased effective 1978, Volume 38 (March Issue).

In the course of researching previous advertisers in *Mosquito News*, a table has been prepared listing all previous advertisers with the number of pages of their ads from 1970 through 1976.

At the present time the Advertising Manager (in Louisiana) is soliciting and

coordinating advertising for *Mosquito News* and the Executive Director (in California) is billing and supplying proofs of ads to the advertisers. This separation of offices has resulted in some breakdown in communication and efficiency with the result that some advertisers in *Mosquito News* have been dissatisfied.

This problem would be resolved if the complete responsibility of advertising is turned over to the Executive Director. Accordingly, I recommend that the Board of Directors turn over the Advertising Manager's duties to the Executive Director. Respectfully submitted,  
Glenn M. Stokes

## ATTACHMENT NO. 16

### REPORT OF THE LEGISLATIVE COMMITTEE

Nineteen-seventy-six proved to be a year of standstill with regard to legislation affecting mosquito control.

Nineteen-seventy-seven provides some prospect for progress on the Boggs bill (HR12376) within the new Carter-

Congress cooperation, particularly if encephalitis appears during the year. Also, Dr. D. J. Sencer has been relieved as Director of the Center for Disease Control, affording hope that his successor will support this legislation. Should this not prove the case, an amendment substituting either the Department of Agriculture or EPA or HEW as the administering agency is recommended.

Also Dr. W. E. Hazeltine, Manager, Butte County MAD, California, has prepared amendments to FIFRA, which will

require EPA to improve its accountability to pesticide users (back to innocent until proven guilty).

It is recommended that \$500 be included in the 1977 AMCA budget for the possible needs of this Committee. Respectfully submitted, Richard F. Peters, Chairman, George T. Carmichael, Harold Carver, Jay E. Graham, Richard O. Hayes, Ph.D., Bryan E. Miller, Beverly R. Norment, Ph.D., Don J. Womeldorf, William H. Wymer.

## ATTACHMENT NO. 17

### CONDENSED REPORT OF THE AWARDS COMMITTEE

At the 1976 Annual Meeting, the Awards Committee recommended that standards be developed to guide future Awards Committees in the selection of award recipients.

No awards were made for 1977.

The recommendations of the Awards Committee are as follows:

1. The number of Meritorious Service Awards should be no more than five in any given year.

2. The Meritorious Service Awards should be awarded periodically rather than annually.

3. Recipients of the Meritorious Service and Medal of Honor Awards would require a majority vote of the Awards Committee.

4. Composition of the Awards Committee:

Several committee members proposed that the committee be made up of Past Presidents.

Other members suggested that the Awards Committee not be limited to Past Presidents, and that the membership should be rotated annually by one-third.

A third suggestion was that the Board of Directors could serve as the Awards Committee.

5. It has been suggested that the Awards Committee solicit nominations for both type awards via the *AMCA News Letter*, as soon as possible after the Annual Meeting in order to provide ample time for consideration of candidates.

6. The following is excerpted from the 1972 Awards Committee Report:

- "There should be two types of awards:
- "Medal-of-Honor" type award for exceptional contribution(s).
  - Distinguished or meritorious service award for *outstanding service to the AMCA*.

One member of the present committee is quoted in part:

"In the past we have tended to confuse 'meritorious service' in general with 'meritorious service to the AMCA'. If the latter is really the intent, then the recipients would be few indeed, those who really have devoted a considerable amount of time and effort to Association business and those who have made outstanding contributions in terms of policy or organization.

"Would it be worthwhile to consider one annual award for 1) excellence in teaching mosquito biology or in administration 2) excellence in research in mosquito biology

3) outstanding contribution to applied mosquito biology? We might in this way recognize contributions in 1 and 3, since research biologists are the ones who usually get the nominations."

There are some questions which remain to be answered. However, your Chairman feels that implementation of Items 1-5 in this report will improve the effectiveness

of the Awards Committee so that it may fulfill its responsibility of recognizing individuals who have made significant contributions to the Association.

Respectfully submitted, John C. Kuschke, Chairman, Charles H. Anderson, David C. Baerg, A. D. Hess, James S. Kitzmiller, Kenneth Knight, A.W. Lindquist, Max V. Meisch, Andrew J. Rogers

## ATTACHMENT NO. 18

### REPORT OF THE PUBLIC RELATIONS COMMITTEE

The main charge to the committee was to develop the color brochure on Modern Mosquito Control. Another task was to establish a 35-mm slide series.

Dr. Harry Pratt accepted the assignment of preparing the color brochure, and will present to the Board of Directors a mock-up of the brochure with color photographs. If approved by the Board, arrangements for publishing will have to be worked out, based on prepublication orders from mosquito control districts.

Mr. Robert M. Shelton accepted the assignment of preparing a 35-mm slide series with a regional approach to mosquito control for the Texas-Louisiana area. He will present this at the Board meeting. If the Board concurs in this approach, then the committee will develop a series for other areas.

#### Recommendations:

1. Publish the brochure as soon as possible once the Board of Directors concurs.

2. Continue the regional 35-mm slide series if sufficient interest develops.

3. Consider the possibility of developing a film on mosquito control from existing films belonging to public organizations. In other words, make a composite, and if certain parts are lacking, only selected scenes will have to be prepared.

4. That in the future, individual committee members be allocated specific functions, as in 1976.

Respectfully submitted: Claude H. Schmidt, Chairman, Samuel G. Breeland, Wayne Crans, John Lloyd, Jim K. Olson, Margaret Parsons, Harry D. Pratt, Robert Shelton, Donald B. Woodard.

## ATTACHMENT NO. 19

### ANNUAL REPORT OF FINANCE AND POLICY COMMITTEE

The Committee reviewed the finances of the Association throughout the year and also suggested the 1977 budget which

it recommends for approval by the Board of Directors. (See attachment No. 4.)

The deficits in 2 of the past 3 years and



the necessary spending restraints during 1976 should be noted by the Board, as it appears that the costs of the Association's projected operations now regularly exceed the annual income. In fact, the Treasurer has appropriately excluded three projects from the 1977 budget, unless they can be shown to be self-supporting, pending the full approval of the Board to commit funds for their support.

Measures should be adopted *now* to increase the Association's annual income. Dues, subscriptions, and advertising currently provide about 53% of the Association's income. A 15% increase in this area would provide about \$6,500, enough to cover a substantial portion of the current need. Further income could be generated by increasing the AMCA portion of the registration fee for the annual meetings. This fee, set at \$5.00 several years ago, could be increased to provide an additional \$1,200 to \$2,500. These and other potential sources of income should be given full consideration by the Board.

Action taken this year will probably have minimum effect on this year's income, but could serve to balance the 1978 budget. It is anticipated that AMCA expenses will continue to increase in the near future, requiring still further revenue.

The Committee has also considered the matter of issuing an AMCA policy statement on mosquito control. A subcommittee has been appointed to prepare a statement for review by the Finance and Policy Committee and by the Board, with a possibility that it can be presented in the *News Letter* in sufficient time to have it reviewed by the membership and be ready for deliberation at the 1978 annual meeting. For this task the subcommittee requires confirmation from the Board that the statement should be restricted to mosquito control and that it will be a statement of policy rather than of specific standards. Respectfully submitted,  
D. A. Dame, Chairman, G. C. Collett, R. E. Dorer, D. Forcum, T. O. Fultz, F. Lesser, W. D. Murray, D. Reed, R. W. Spencer.

## ATTACHMENT NO. 20

### REPORT OF THE INFORMATION COORDINATION COMMITTEE

This Committee was appointed by President Francy in June of 1976 in response to expressions of frustration due to potential encroachment upon the legal prerogatives of mosquito control agencies. If these criticisms and problems are justified and merit a definite stand with concerted action by the Association, then justifying documentation should be collected.

A considerable body of correspondence and problem descriptions was accumulated in 1976. Analysis of the information has led to the development of specific contentions that there are significant problems affecting the conduct and effective-

ness of mosquito and vector control programs.

The primary points of concern are as follows:

1. An excessive number of permit agencies require approval.
2. Proliferation of enabling legislation at all levels encourages development of new or subagencies with regulatory powers, often with conflicting areas of jurisdiction and opposing interests, leading to further encroachment through extension of their regulations and jurisdictional domains.
3. There is a lack of awareness and regard for justified needs, operational func-

tions and practices and the import of vector control to the public health and well-being by EPA and others.

4. There is a lack of awareness of concern for the mounting deleterious impact of over-regulation on the national economy, technical development, and loss in productivity, health protection, and functional coherency essential to good government.

The quantity of well-documented specific areas supportive of such problems is not as great as might be desired, whereas the quantity of testimonial letters, editorials, and background information is more comprehensive than may be adequately presented. The submitted statements represent such a wide variety of concerns that

only those most pertinent to the contentions given are included as exhibits.

Further documentation, for better representation throughout the country, is most desirable and hopefully could be collected and included as a final presentation. The current draft is based mainly on data from California, but is applicable nationwide and is submitted for review.

It is recommended that the Information Coordination Committee be extended for the coming year.

Respectfully submitted for the Committee:

Howard R. Greenfield, Chairman, Robert Ostergaard (New Jersey), T. Wayne Miller (Florida), C. Donald Grant (California)

## ATTACHMENT NO. 21

### RESOLUTIONS ADOPTED AT THE 1977 ANNUAL MEETING AMERICAN MOSQUITO CONTROL ASSOCIATION MARCH 29, 1977—NEW ORLEANS, LA

#### RESOLUTION NO. 1

WHEREAS, the 33rd annual meeting of the American Mosquito Control Association is being held March 27 through 30, 1977, in New Orleans, Louisiana, as guests of the Louisiana Mosquito Control Association, now therefore

BE IT RESOLVED that the American Mosquito Control Association members express their appreciation to the officers and committees of the host association for their excellent hospitality and efforts in implementing this program.

#### RESOLUTION NO. 2

WHEREAS, these meetings have been profitable and enjoyable in all aspects,

BE IT RESOLVED that we convey our sincere appreciation to the officers and committees of both organizations for their

contributions in the planning and conduct of these successful sessions, and

BE IT FURTHER RESOLVED that all members of the meeting arrangements committees be given particular thanks for their fine work, and noting especially: George T. Carmichael, General Chairman; Paul J. Hunt, Program Chairman; Glenn M. Stokes, Exhibits; Mrs. Glenn M. Stokes, Chairperson for ladies' committee, and Mrs. Joyce Chester.

#### RESOLUTION NO. 3

WHEREAS, the exhibitors have contributed generously to the success of these meetings through their displays and sponsoring of special activities, therefore

BE IT RESOLVED that our thanks and highest appreciation be extended to those individuals and corporations who have continued their faithful support of the American Mosquito Control Association

and nationwide mosquito work through sustaining these annual meetings and advertising in AMCA publications.

#### RESOLUTION NO. 4

WHEREAS, the management of Marriott Hotel has provided excellent facilities for this 33rd annual meeting,

BE IT RESOLVED that we express appreciation to the staff and management of Marriott Hotel for the cooperation and good service extended to the American Mosquito Control Association.

#### RESOLUTION NO. 5

WHEREAS, all mosquito control operations have the need to contact at various times other similar agencies, and

WHEREAS, other information concerning these mosquito control operations is of interest and value to various members of the American Mosquito Control Association, and

WHEREAS, Gilbert L. Challet has prepared a directory of mosquito control agencies, now therefore

BE IT RESOLVED that the members of the American Mosquito Control Association extend their special appreciation to Gilbert L. Challet for his tireless efforts in preparing the directory of mosquito control agencies for publication by the American Mosquito Control Association, and

BE IT FURTHER RESOLVED that

special thanks also be extended to those who assisted in preparation of the directory.

#### RESOLUTION NO. 6

WHEREAS, the American Mosquito Control Association substained the unexpected loss of several if its members who had contributed much to the knowledge of mosquitoes in mosquito control, and

WHEREAS, members of the American Mosquito Control Association will miss their presence through the coming year, therefore

BE IT RESOLVED that the members of the American Mosquito Control Association recognize posthumously the contributions of R. Edward (Buck) Bellamy, Canada; F.L. Butcher, Texas; James M. McDonnell, Pennsylvania; M.P. Moody, Florida; Norman G. Platts, Florida; Frederick L. Soper, M.D., Kansas; Rink Smurthwaite, Utah; Sidney H. Usry, North Carolina; R. H. Waktodi Koesoemawinangoen, Indonesia; and Floyd S. Walters, New Jersey; and express our deepest regret and sympathy to members of their families.

Respectfully submitted: Robert Armstrong, Chairman, John A. Mulrennan, Jr., Bruce Craven, Frederick Ferrigno, Robert Taylor, Arthur H. Mason, Harold D. Rose, Steele Lunt, Everett Spackman, Harold C. Chapman