

PROGRAM
for the
JOINT ANNUAL MEETING
of the
AMERICAN MOSQUITO CONTROL ASSOCIATION
and the
CALIFORNIA MOSQUITO CONTROL ASSOCIATION
at
BERKELEY AND OAKLAND, CALIFORNIA
February 6-9, 1949
HEADQUARTERS, CLAREMONT HOTEL, OAKLAND



Claremont Hotel, Berkeley, Calif.
Photo by Martin Hutchinson.
Rutgers Univ., New Brunswick, N. J.

Program Committee

HAROLD F. GRAY, Chairman, Room 1A, Court House, Oakland, Cal.

ARCHIE D. HESS

T. D. RALEY

T. D. MULHERN

H. H. STAGE

H. D. PETERS

PROGRAM

JOINT ANNUAL MEETING

AMERICAN MOSQUITO CONTROL ASSOCIATION

and

CALIFORNIA MOSQUITO CONTROL ASSOCIATION

PLACE OF MEETING—Berkeley and Oakland, California
followed by a field trip (motorcade)

HEADQUARTERS—Claremont Hotel, Oakland

Sunday, February 6, 1949, Afternoon,
Claremont Hotel1:00- 1:10 p.m. Fred L. Soper, M.D., Director,
Pan American Sanitary Bureau, Presiding. Introductory Remarks.

Noon Registration

2:00 p.m. Committee Meetings—American Mosquito Control Association

1:10- 1:30 p.m. S. D. Macready, General Sanitary Inspector, United Fruit Company, San Jose, Costa Rica. *Observations After Three Years' Use of DDT Residual Spraying of Tropical Labor Camps for Anopheles Albimanus Control.*

2:00 p.m. Committee Meetings—California Mosquito Control Association

5:00 p.m. Hospitality Hour

Monday, February 7, 1949, at Agriculture Hall,
University of California, Berkeley*International Day*

9:00- 9:10 a.m. Opening Address and presentation of retiring President of the American Mosquito Control Association, by T. G. Raley, President, California Mosquito Control Association.

1:40- 2:10 p.m. Pedro Galindo V., Chief, Anti-Malaria Division, Department of Health, Republic of Panama. *Recent Advances in the Control of Malaria in Panama (with film).*

9:10- 9:20 a.m. Response, H. D. Peters, Health Department, Jacksonville, Fla.

2:15- 2:25 p.m. Leonidas M. Deane, M.D., Instituto Evandro Chagas, Belem, Para, Brazil. *Malaria in the Amazon Region of Brazil: A Summary of the Present Knowledge of Its Distribution, Transmission and Control.*

9:20- 9:30 a.m. Welcome by the Vice-President of the University of California, Claude B. Hutchinson, Dean, College of Agriculture.

2:25- 2:55 p.m. Luis Vargas, M.D., Institute of Health and Tropical Diseases, Mexico, D. F., Mexico. *Mosquito Control Problems in Mexico.*

9:30- 9:35 a.m. Welcome by E. O. Essig, Head, Division of Entomology and Parasitology, College of Agriculture, University of California.

3:05- 3:25 p.m. Charles M. Wheeler, Public Health & Welfare Section, Supreme Commander of the Allied Powers, Tokyo, Japan. *Vector Control Problems in Japan.*

9:35- 9:40 a.m. Welcome by Edward S. Rogers, M.D., Dean, School of Public Health, University of California.

3:40- 4:00 p.m. Thomas H. D. Aitken, International Health Division, The Rockefeller Foundation, Cagliari, Sardinia, Italy. *Mosquito Control Problems in Sardinia.*9:40-10:15 a.m. C. R. Twinn, Chief, Household & Medical Entomology Unit, Division of Entomology, Department of Agriculture, Ottawa, Toronto, Canada. *Mosquito Control Problems in Canada.*10:20-10:50 a.m. B. V. Travis, Bureau of Entomology & Plant Quarantine, U.S.D.A. Orlando, Florida. *Mosquito Control Problems in Alaska.*4:10- 4:35 p.m. William McDowell Hammon, M.D., Hooper Foundation for Medical Research, University of California, San Francisco, and Lecturer in Public Health, School of Public Health, University of California, Berkeley. *Public Health Problems Relating to Virus Encephalitis*11:00-11:30 a.m. Leonard J. Chwatt, Yellow Fever Research Institute Lagos, Nigeria, Africa. *Anopheles Gambiae (var. Melas) Control by Swamp Drainage in a Coastal Area of Africa.*

Diseases in the Far East and the Pacific Islands.

- 4:45- 5:10 p.m. George H. Bradley, Communicable Disease Center, Public Health Service, Atlanta, Georgia. *The Present Status and Future Plans of the Public Health Service, Malaria Control Program.*
- 7:30 p.m. Business Meeting, American Mosquito Control Association, Claremont Hotel.
- 8:30 p.m. Business Meeting, California Mosquito Control Association, Claremont Hotel.

1:15- 2:45 p.m.

Supervising Sanitarian, State Health Department, Seattle.

Symposium on Ground Pre-Treatment for Aedes Control. B. V. Travis, Bureau of Entomology and Plant Quarantine, Orlando, Florida, presiding; C. R. Twinn, A. W. Lindquist, Basil Markos.

2:45- 2:55 p.m.

Ralph Bunn, Major, MSC, Medical Department, U. S. Army—*The Place of Entomologists in the Medical Service Corps, Medical Department, U. S. Army.*

3:05- 4:55 p.m.

Symposium on the Uses and Limitations of New Insecticides—F. C. Bishopp, Assistant Chief, Bureau of Entomology and Plant Quarantine, Washington, D. C., presiding; B. V. Travis, BEPQ, *The Uses and Limitations of Insecticides for Mosquito Control by the Military*; T. D. Mulhern, N. J. Agric. Expt. Sta., *Insecticides Used in Salt Marsh Mosquito Control*; Archie Hess, TVA, *The Uses and Limitations of Insecticides in Mosquito Control in the TVA*; G. H. Bradley, USPHS, *Malaria Control Through the Use of New Insecticides as Residual Sprays*; Oliver B. Cope, Fish & Wildlife Ser., *The Effect of Mosquito Insecticides on Wildlife*; Allen B. Lemmon, Calif. State Dept. of Agriculture, *The Toxicity of Insecticides to Man and Domestic Animals.*

8:00 p.m.

Dinner Dance. Florentine Room, Claremont Hotel. Obtain tickets (\$... each) at time of registration.

(Speaker to be announced.)

Tuesday, February 8, 1949, in the Florentine Room, Claremont Hotel, Oakland

American Mosquito Control Association Day

- 9:00- 9:05 a.m. Introduction of new President of the American Mosquito Control Association, by retiring President H. D. Peters.
- 9:05- 9:20 a.m. President's Address.
- 9:25- 9:40 a.m. Report from New Jersey Mosquito Extermination Association.
- Bailey B. Pepper, New Jersey Agricultural Experiment Station, New Brunswick, New Jersey, or Thomas D. Mulhern, New Jersey Agricultural Experiment Station.
- 9:45-10:00 a.m. Report from Florida Anti-Mosquito Association—M. V. Provost, Biologist, Division of Entomology, Florida State Health Department.
- 10:05-10:20 a.m. Report from Virginia Mosquito Control Association—Perry W. Ruth, Bureau of Vector Control, Department of Public Welfare, Norfolk, Virginia.
- 10:25-10:35 a.m. Report from Utah Mosquito Control Association—Don M. Rees, Professor of Entomology, University of Utah, Salt Lake City.
- 10:55-11:05 a.m. Report from Illinois—J. Lyell Clarke, Engineer, Desplaines Valley Mosquito Abatement District, Lyons, Illinois
- 11:05-11:15 a.m. Report from New York—R. D. Glasgow or D. L. Collins, New York Science Service, Albany.
- 11:20-11:30 a.m. Report from New England. (Speaker to be selected.)
- 11:30-11:45 a.m. Report from Oregon—Dorothy McCullough Lee, Mayor, Portland, Oregon.
- 11:45-11:55 a.m. Report from the State of Washington. M. Mondala,

Wednesday, February 9, 1949, Claremont Hotel, Oakland (Florentine Room)

California Mosquito Control Association Day

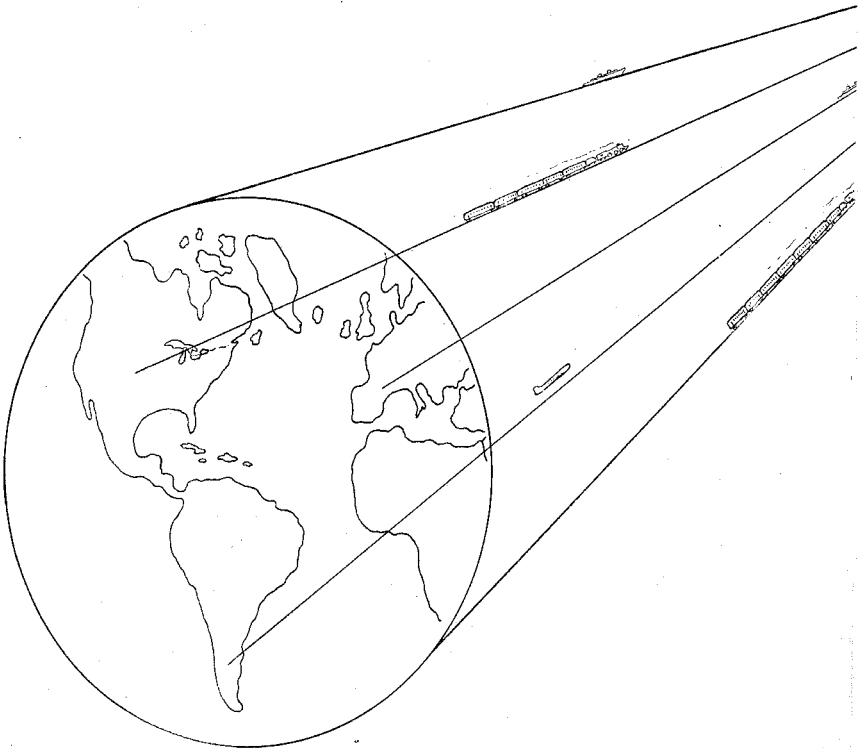
- 9:00- 9:05 a.m. Presentation of new California Mosquito Control Association President, by retiring President T. G. Raley.
- 9:05- 9:10 a.m. President's Remarks.
- 9:10- 9:30 a.m. Address—W. L. Halverson, M.D., State Director of Public Health, San Francisco, California.
- 9:35-10:00 a.m. Dorothy Nyswander, Professor of Public Health Education, School of Public Health, University of California, Berkeley. *The Uses of Modern Tech-*

IT'S BERKELEY IN '49

WITH THE

AMERICAN MOSQUITO CONTROL ASSOCIATION
CALIFORNIA MOSQUITO CONTROL ASSOCIATION

FEBRUARY 6 -15



JOIN THE
MIGRATION!



UNIVERSITY
OF
CALIFORNIA

niques of Public Health Education as Applied to the Work of Mosquito Abatement Agencies.

10:10-10:30 a.m. Stanley B. Freeborn, Assistant Dean, College of Agriculture, University of California, Berkeley. *The Relationship of Mosquito Abatement Agencies to Other Agencies of Government.*

10:50-11:15 a.m. Arve H. Dahl, Chief, Bureau of Vector Control, State Department of Public Health. *Progress of Mosquito Control Operations in 1948 in California.*

11:25-11:50 a.m. H. H. Stage, Bureau of Entomology and Plant Quarantine, USDA, Washington, D. C. *Research on Mosquito Control in the Bureau of Entomology and Plant Quarantine in 1948.* (Illustrated with Kodachrome slides.)

1:15- 2:15 p.m. *Symposium on New Equipment and Recent Improvements in Methods of Drainage and Application of Insecticides by Ground Equipment.* Thomas D. Mulhern, New Jersey Agricultural Experiment Station, New Brunswick, New Jersey, presiding; Vernon Conant, R. E. Dorer, John M. Henderson, T. G. Raley.

2:40- 3:50 p.m. *Symposium on Recent Improvements and Experience in the Use of Aircraft in Mosquito Control.* H. H. Stage, Bureau of Entomology and Plant Quarantine, USDA, Washington, D. C., presiding; A. D. Hess, A. F. Geib, T. M. Sperbeck.

4:05- 4:30 p.m. W. B. Herms, Emeritus Professor of Parasitology, University of California, Berkeley. *A Backward and a Forward Look at Mosquito Control.*

7:30 p.m. Business Meetings. Claremont Hotel.

Thursday, February 10, 1949

Motorcade Tour

Important Notice: Applications for Reservations for this Motorcade Trip must be in the hands of the Chairman of the Motorcade Committee, F. Chester Robinson, P. O. Box 1023, Modesto, California, not later than *January 14, 1949*, in order

that all necessary arrangements for cars, hotel reservations, meals, etc., can be made. A *Reservation Fee of \$10.00 per Person* must accompany the application for reservations on the Motorcade, except in the case of visitors from foreign countries. This reservation fee will apply on hotel and entertainment charges in Los Angeles.

Motorcade cars, guides and a baggage truck will be furnished gratis to *out-of-California* visitors by the California Districts. Detailed road maps and driving directions will be supplied.

8:30 a.m. Motorcade leaves Claremont Hotel, and traverses Alameda County via Niles, thence north via Carquinez Bridge and Woodland to Marysville, California. Visit Sutter-Yuba Mosquito Abatement District. Overnight in Marysville.

Friday, February 11, 1949

8:30 a.m. Leave Marysville, via River Road to Sacramento; State Capitol Park; to Modesto, visiting East Side Mosquito Abatement District and Turlock (Turlock Mosquito Abatement District); to Merced, visiting Merced Mosquito Abatement District. Overnight at Merced.

Saturday, February 12, 1949

8:00 a.m. Leave Merced and drive to Yosemite Valley via All Year Highway. Program on Control of mountain *Aedes* mosquitoes in National Parks. Return trip via Mariposa to Fresno. In evening visit a winery. Overnight in Fresno.

Sunday, February 13, 1949

8:30 a.m. Leave Fresno. If weather in mountains permits, drive via the Generals' Highway through Kings Canyon and Sequoia National Parks (Grant and Giant Forest groves of redwoods) to Visalia. If weather in mountains prevents, drive direct to Visalia, thence via Porterville through the orange and lemon orchard belt to Bakersfield. Overnight in Bakersfield.

Monday, February 14, 1949

9:00 a.m. Visit Kern Mosquito Abatement District. Drive via Arvin to Los Angeles. (Mayfair Hotel.) In evening visit a national broadcast studio performance. Overnight in Los Angeles.

Tuesday, February 15, 1949

9:00 a.m. Motorcade leaves Biltmore Hotel, for trip via Griffith Park, San Fernando Valley, Toluca Lake District, various movie studios, Beverly Hills, Bel-Air, Pacific Palisades, ocean beaches, etc., etc.

5:30 p.m. Banquet, Mayfair Hotel.

8:30 p.m. Evening entertainment at Los Angeles' famous night spot, "The Drunkard."

(Note: Cost of features in Los Angeles, including hotel two nights, banquet, entertainment, is estimated to run between \$18 and \$24 per person; the \$10 deposit will apply thereon.)

The evening's entertainment marks the close of the motorcade trip.

Notice:

Out-of-state visitors going on the motorcade should arrange their rail or air transportation so as to arrive at either Berkeley or Oakland, California, on Sunday, February 6, 1949, and to depart from Los Angeles on Wednesday, February 16, 1949, or later according to their convenience.

Hotel Reservations:

Hotel reservations for the meetings in Oakland and Berkeley should be made well in advance. Requests for reservations should be sent to Richard F. Peters, Chairman, Reservations Committee, California Mosquito Control Association, P. O. Box 649, Berkeley 1, California, accompanied by a \$5.00 deposit. Reservation deposits will be waived for visitors from foreign countries. Reservations for foreign and out-of-state speakers and members will be made at the Claremont Hotel, Oakland. California members will be accommodated mainly at the Shattuck and Durant Hotels in Berkeley, and the Leamington and

Coit Hotels in Oakland. The Reservation Committee will notify visitors as to the hotel accommodations secured for them.

Clothing:

As there will be snow in the Yosemite Valley and Sequoia National Park in February, warm clothing should be brought by those persons going on the motorcade trip. A rain coat is also advisable. February temperatures in Berkeley and Oakland are mild (40°-70° F.). Weather in Los Angeles in February is generally mild.

Ladies' Entertainment

Tuesday, February 8, 1949

9:30 a.m. Claremont Hotel. Cars will be provided to take women visitors on a tour of the San Francisco Bay area, visiting points of special interest. Mrs. G. E. Washburn, Chairman.

8:00 p.m. Dinner dance, Florentine Room, Claremont Hotel.

Wednesday, February 9, 1949

2:00 p.m. Special entertainment for women visitors. Details to be announced later.

Tuesday, February 15, 1949. At Los Angeles.

10:00 a.m. Conducted shopping tour.

COMMITTEES: American Mosquito Control Association

Program: Harold F. Gray, Chairman
1-A, Court House, Oakland 7, California

Archie D. Hess
T. D. Mulhern
H. D. Peters
T. G. Raley
H. H. Stage

COMMITTEES: California Mosquito Control Association

General: G. Edwin Washburn, Chairman
P. O. Box 629, Turlock, Calif.

Motorcade: E. Chester Robinson, Chairman
P. O. Box 1023, Modesto, Calif.

Finance, Publicity, Exhibits:

Theodore G. Raley, Chairman
P. O. Box 278, Selma, Calif.

Registration, Hotel Reservations, University:

Richard F. Peters, Chairman
P. O. Box 649, Berkeley 1, Calif.

Ladies' Entertainment:

Mrs. G. E. Washburn, Chairman
Mrs. E. Chester Robinson
Mrs. A. Preuss
Mrs. H. F. Gray



FACTS ABOUT THE METROPOLITAN OAKLAND AREA

The Metropolitan Oakland Area (the whole of Alameda County) with a present population in excess of 735,000 residents, extends eastward from the mainland shores of San Francisco Bay some 35 miles through rolling hills and valleys to the edge of San Joaquin valley. Along this strip, from the edge of the Bay to the foothills, are located the cities of Albany, Berkeley, Emeryville, Piedmont, Oakland, Alameda, San Leandro, and Hayward. Comprising this strip is an almost unbroken chain of factories and waterfront industries, commercial trading centers and residences.

The Metropolitan Oakland Area is a rapidly growing industrial and agricultural empire in which is concentrated the bulk of the entire Bay region's population and industrial payrolls. The 1940-1947 rate of growth for the Oakland side of the Bay was 67% as against 32% on the west side.

More than 1,300 industrial plants are located in the Metropolitan Oakland area, including over 200 nationally known manufacturers. During

1947 59 new industries, with a total plant investment in excess of \$15,000,000 were established in the area, and plant expansion in the same period totaled nearly \$25,000,000 in investment. Since V-J Day metropolitan Oakland has topped all Northern California counties in the acquisition of new industries.

The City of Oakland, third largest city in California, with a present population in excess of 425,000, is the hub of the 840-square-mile metropolitan Oakland area, and is the point of convergence of highway routes and airways which blanket the state to the north, east, and south, and additionally is the hub of water and air routes linking the Pacific Ocean area trading centers with the mainland side of the United States. Its harbor is one of the largest and finest in the world. In the rail transportation field, the city is the western terminus of all three transcontinental passenger and freight trains. Oakland's modern municipal airport, known as the Airway Center of the West, ranks 7th in the nation in airport activity.

1. Producing center of internationally famous California wines.
2. Third market on the Pacific Coast.
3. Industrial hub of California.
4. 15th U. S. county in 1947 retail sales.
5. 16th county in nation in size of population.
6. City of homes, 80% one-family dwellings, with over 50% of all homes owner occupied.
7. National distribution center of the West.
8. Largest power pool in the world located in metropolitan Oakland area.
9. A favored industrial area, where air, rail and water transportation meet.
10. Oakland, the only city in the world with a mile long tidal salt water lake located in the heart of the city.
11. Calculating machine center of the world.
12. Leading and fastest growing industrial county in Northern California.
13. Average monthly pay of Alameda County workers 6th in the nation.
14. 11th county in the nation in total automobile registration, second in California.
15. Floriculture center of Northern California—\$10,000,000 worth of flowers and seeds shipped annually from Alameda County, mostly by air express, to East Coast.