

THE INSTITUTE REPORT



From the
VETERINARY VIRUS RESEARCH INSTITUTE
Cornell University, Ithaca, New York

October, 1957

Volume 7

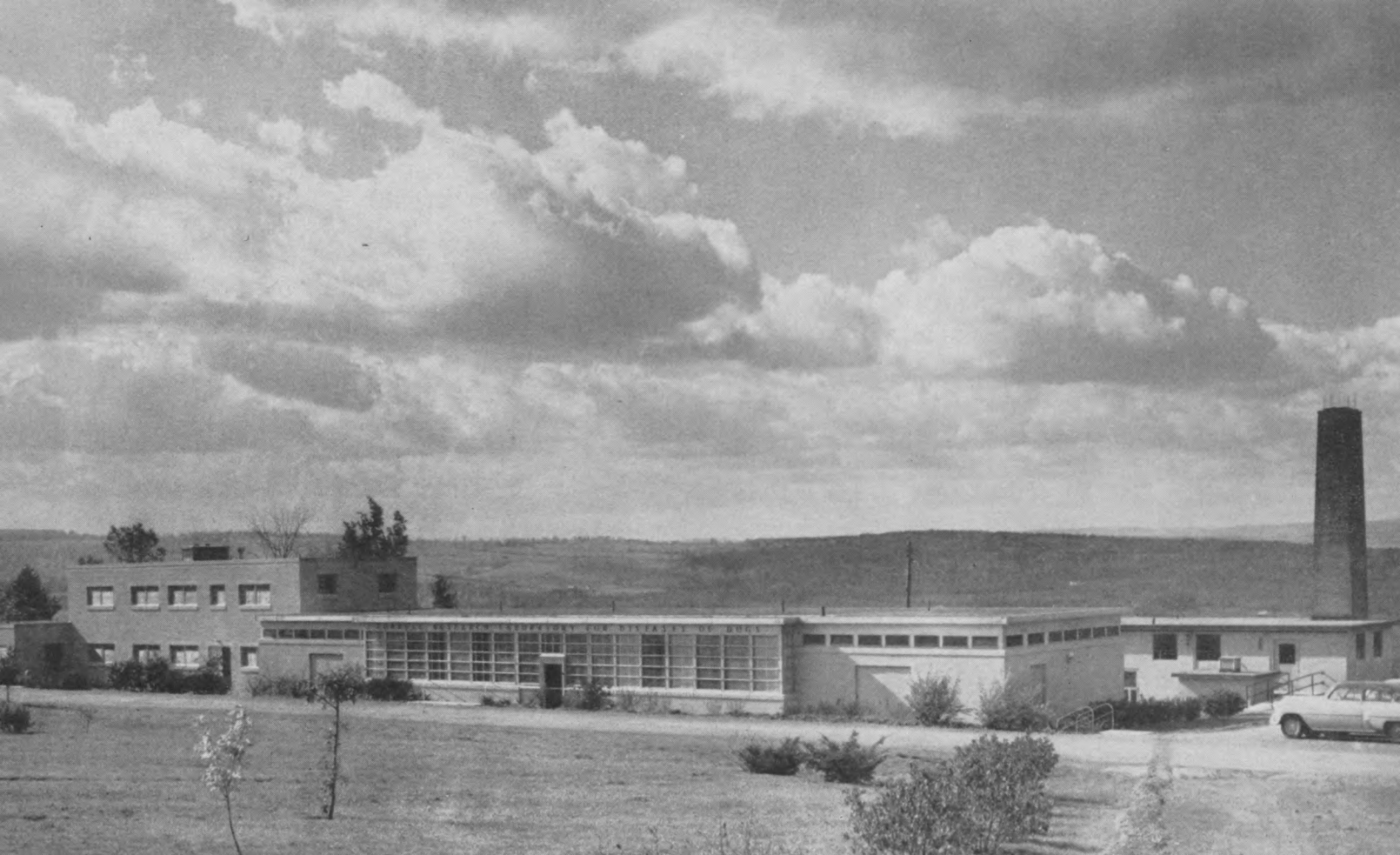
THE INSTITUTE REPORT



From the
VETERINARY VIRUS RESEARCH INSTITUTE
Cornell University, Ithaca, New York

October, 1957

Volume 7



LIBRARY COL
FEB 9 196

LIBRARY



Above is a view of the Control Laboratory for Disease Free Animals, now under construction across the road from the Microbiology Laboratory. One-half of the funds for this large new building has been provided by the United States Public Health Service and one-half by the Institute. This new Control Laboratory should be completed and in operation at the beginning of 1958. The exterior design is as simple and inexpensive as in the other Institute buildings. However the interior has been planned with great care since at all times it must be kept free of air-borne or other infectious diseases.

Frontispiece shows laboratory and office buildings of the Research Institute on Snyder Hill. At left is main entrance to business offices and library. In the center is Microbiology Laboratory, provided by Colonel and Mrs. Lee Garnett Day and Mr. John M. Olin. Right background shows a portion of Isolation Building, for work on diseases of large animals.

The Cornell Research Laboratory for Diseases of Dogs is in the right foreground. This building, now connected by an enclosed passageway to the Microbiology Laboratory, contains two main laboratory sections. To the right is the Daynemouth Division, provided by Colonel and Mrs. Lee Garnett Day and to the left is the Giralda Division, provided by Mrs. Geraldine Rockefeller Dodge.

VIRUS RESEARCH INSTITUTE STAFF

General Institute Staff

Administration

James A. Baker, B.S., M.S., D.V.M.,
Ph.D., Director of the Institute
James H. Gillespie, V.M.D., Assistant
Director of the Institute
Dudley Baker, Editor
Mary Crawford, B.A., Bookkeeper
J. Shirley Gatz, Secretary
Margaret Hardesty, Secretary
F. Weston Prior, B.S., Director, Lab-
oratory Development
Hadley C. Stephenson, B.S., D.V.M.,
Veterinary Consultant

Maintenance:

Charles Bailor, Animal Technician
Robert Davenport,
Maintenance Assistant
George Kieger, Janitor
Eldon Mead, Farmer
Charles Munch, Sr., Animal Technician
Lyle Raymond, Foreman
Carl J. Sears, Experimentalist
Frank Sears, Building Maintenance
Supervisor
Edson Wheeler, Senior Animal Techni-
cian

MICROBIOLOGY LABORATORY

James A. Baker, B.S., M.S., D.V.M.,
Ph.D., Director of the Institute and
Professor of Virology.
Alfred Barkan, B.S., Student Assistant.
Robert Fineman, Student Assistant.
James H. Gillespie, V.M.D., Assistant
Director of the Institute and Profes-
sor of Bacteriology.
Esther Homan, B.S., Laboratory
Technician.

Barbara Johnson, Histological
Technician.
Julia Lindenmaier, Laboratory
Technician.
Gabriella Lindey, Laboratory Assistant.
Vivian Morgan, Laboratory Assistant.
Ben E. Sheffy, B.S., M.S., Ph.D., Asso-
ciate Professor of Nutrition.
Richard E. Shope, Jr., B.A., B.S., Student
Assistant.

CORNELL RESEARCH LABORATORY FOR DISEASES OF DOGS

Daynemouth Division (Provided by Colonel and Mrs. Lee Garnett Day):

Richard R. Gutekunst, B.S., M.S., M.S.C., USN, assigned by the Navy for postgrad-
uate work; Director of the Division.
Siddhartha Sarkar, B.Sc., G.V.S.C., M.S., graduate student from India. Received
M.S. degree September, 1957.
Mary Doughty, B.S., Laboratory Technician.

Giralda Division (Provided by Mrs. Geraldine Rockefeller Dodge):

Vincent Marshall, D.V.M., Director and Research Associate.
Alan O. Betts, B.Sc., M.A., Ph.D., M.R.C.V.S. Visiting investigator on Common-
wealth Fund Fellowship for 1½ years. Returned to Cambridge University, England,
December, 1956.
Anita Fineman, R.N., A.S., Laboratory Technician.
Ahmed Shimi, D.V.S. Visiting investigator on leave from Tehran University, Iran.
Returned to Iran, April, 1957.
Chintamani Singh, G.B.V.C., M.S., Ph.D., Research Associate. Returned to India,
January, 1957.

Distemper Evaluation Laboratory (Operating funds provided by the Ameri- can Kennel Club):

Mrs. Joan Burgher, B.S., Director and Research Associate.
Antonio Pereira, Laboratory Technician.
Douglas Robson, Ph.D., Statistical consultant.

THE INSTITUTE REPORT

EACH year the Institute Report is prepared especially for the persons whose help makes possible our continued operation. Each of these donors or groups of donors is listed individually under "Acknowledgments", and each one is sent a copy of the Report.

A great number of these donors are interested primarily in accomplishments of the Cornell Research Laboratory for Diseases of Dogs, since this section of the Virus Research Institute is supported entirely by their contributions. For this reason, the Institute Report mentions work from the Laboratory for Diseases of Dogs in greater detail than work with cattle, swine, cats, or other domestic animals from the Microbiology Laboratories.

A list of current publications is included in this Report. The majority are scientific; some are of a more general nature, intended primarily to help dog owners reach a better understanding of infectious diseases. Reprints are still available of some of these publications, including most of the Laboratory Reports which were prepared specifically for dog owners.

Made possible by a gift from Mr John M. Olin to Cornell University, a movie has been prepared during the past year, entitled "The 1956 National Retriever Trials." The beginning portion of this film was taken at Cornell last fall, and is concerned with the ordinary daily activities at the Cornell Research Laboratory for Diseases of Dogs, showing typical methods of vaccine preparation and many other views in the laboratories.

In addition, there are several scenes in Nilo Kennels at East Alton, Illinois, where the kennel building and runs are modelled closely after the ones at Cornell. Nilo Kennel was designed to serve as a practical field station for testing, under actual, everyday working conditions, the efficiency and practicality of recommendations from this Laboratory concerning better health for dogs.

The main part of the film concerns, as its title indicates, the 1956 National Retriever Trials, where healthy dogs are shown at their best.

Mr. Walter J. Meives, the producer and photographer, is in charge of the film's distribution. The rental charge of \$12.00 does not come to Cornell, of course, but should be sent to Mr. Meives to cover upkeep and distribution costs. The 16 mm. film is in color, with sound, and should be enjoyed by anyone interested in dogs or in the health of dogs. It can be rented by application to: Mr. Walter J. Meives, 4118 Buckeye Road, Madison 4, Wisconsin.

MESSAGE FROM THE DIRECTOR

It is with great pleasure that I write of the progress made during the past year, especially since our progress includes several notable events towards which we have looked for several years.

The combined vaccine, designed to protect dogs against distemper and infectious canine hepatitis, has become a practical reality with the licensing of producers by the Agricultural Research Service. This carries the implication that adequate supplies of good vaccine should be available for any dog in the United States and Canada. Visiting scientists have taken strains of our vaccine viruses to England so, presumably, supplies will be available there after a while.

Of equal importance to the development of a good vaccine has been the accumulation of information about its proper use in order to insure greater success in immunization. In the laboratory, it is possible to make a perfect vaccine, and perhaps many are puzzled when complete success is not achieved in daily use. Actually, such failures result because several factors in the general dog population cannot be controlled, in contrast to standard laboratory conditions. Since these several factors can influence success with vaccination, occasional failures must be expected. We have listed the most important factors in the laboratory section of this report and, if they are taken into consideration, the number of failures should be minimized. In order to insure that vaccination is as successful as possible for all dogs, we have begun an educational program disseminating information in veterinary journals and dog journals.

We also want to have some idea of the progress of our program, and towards that end this past year a statistically designed Distemper Evaluation Laboratory was established with the view of guiding a national program to conquer distemper. This laboratory will be somewhat expensive to operate, but I hope you will agree with me that we have now reached a point where accurate facts are of the utmost consideration and we should no longer have to resort, as in the past, to speculation alone, with the confusion that attended that era.

Another notable event during the past year was the authorization by the Board of Trustees of Cornell for a Control Laboratory for Disease-Free Animals, nutritionally standardized. This authorization by the Trustees resulted from a grant to the Institute by the U.S. Public Health Service of \$75,000 on the condition that we would provide matching funds. Fortunately, we were able to do this. Incidentally, this Institute was one of two in the U.S. selected by the Public Health Service as capable of using federal funds for the accumulation of basic information which would lead to better health for man and animals. We have needed this building for several years to make possible an accelerated program of relating more precisely the fields of disease and nutrition.

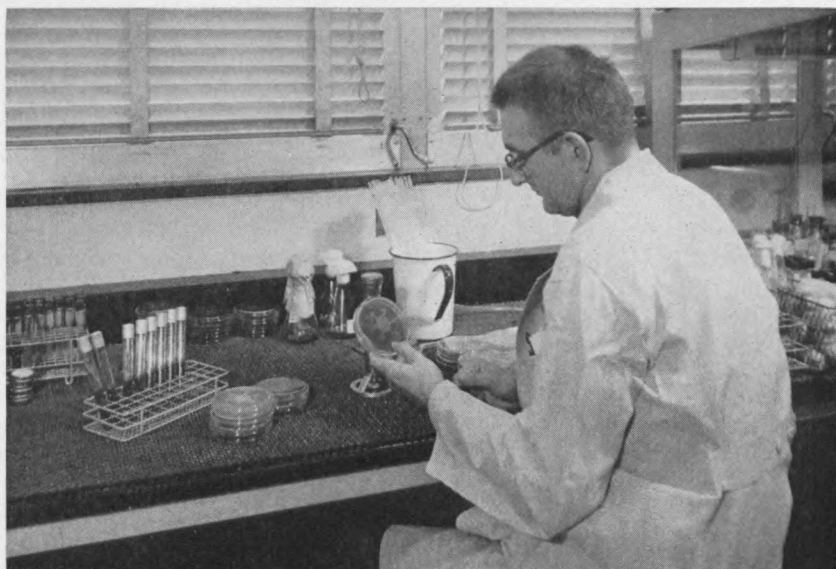
I am sure all of you have observed differences in dogs infected with distemper. Some dogs will die quickly whereas others, sometimes even in the same litter, will show only slight effects from the same disease. This is particularly true when one compares outbreaks in different kennels or those of one year with another. We feel that it is highly unlikely that the character of the virus has varied, but rather that the greater difference might have been found in the individual animals affected. When we speak about resistance to disease, we mean that the chemical constituents of the cells of the body are different in a resistant animal in comparison with those of a more susceptible animal. Obviously, the most important factor that influences chemical constituents of the body is its nutrition. We are initiating this important study with hopes that in this area we can make a great contribution to health. Already, we have gained some information which indicates clearly that we are moving in the right direction by undertaking this study.

To a number of our supporters, who by unusual effort with counsel and by generous financial support have made this year so successful, I am deeply grateful. I would like to express my appreciation to Colonel and Mrs. Lee Garnett Day, Mrs. Geraldine R. Dodge, Mr. George Murnane, Mr. John Neff, Mr. John Olin, and Mrs. Elizabeth I. Poe.

James A. Baker

At the Research Institute, scientists and graduate students are studying diseases of domestic and wild animals. In addition to the isolation and study of infectious organisms and the development of new vaccines from some of these organisms, basic information is being collected and analyzed in detail concerning each disease.

Visiting investigators, with special fellowships, from foreign countries and from laboratories in this country receive training in methods being developed for prevention and control of infectious diseases.



Lt. Gutekunst, on assignment from the United States Navy, is concerned primarily with methods of identifying and preventing infectious diseases.



Dr. Sarkar, of India, and Anita Fineman, of the Giralda Division staff, are shown through glass wall of tissue culture room preparing tubes for growth of live infectious hepatitis virus.

The use of tissue culture made possible growth of infectious canine hepatitis virus in tubes containing bits of swine kidney. Before development of this method, only fully virulent hepatitis virus from dogs could be obtained for vaccine production, since, unlike distemper virus, hepatitis virus will not grow in eggs.

Tissue cultured virus is also used in serological tests to confirm immunizing capacity of vaccine.



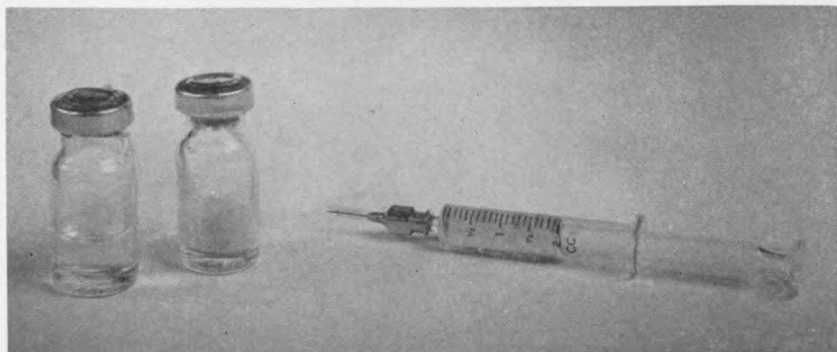
Joan Burger makes blood count from vaccinated dog to confirm safety of vaccine.

As part of the function of our new Distemper Evaluation Laboratory serological samples are studied and recorded. Such samples can reveal the presence or absence of antibodies against specific diseases, and, when properly taken and studied, can indicate the effectiveness of vaccination programs.

Cooperating Staff:

These veterinarians and scientists are contributing much time and effort without compensation in order to help secure the necessary information on which to base a program to conquer distemper.

- J. W. Bernotavicz, Ph.D., — Kankakee, Illinois.
- H. M. Burgess, M.S., — Kankakee, Illinois.
- J. W. Cunkelman, D.V.M., — Chicago, Illinois.
- G. N. Haigler, D.V.M., — St. Louis, Missouri.
- Victor Heiman, Ph.D., — Waverly, New York.
- W. D. Martin, D.V.M., — Albany, Georgia.
- Robert Moshier, — Waverly, New York
- W. O. Reece, D.V.M., — Chicago, Illinois.
- C. C. Sapp, Jr., D.V.M., — Albany, Georgia.
- H. G. Young, D.V.M., — Thomasville, Georgia.

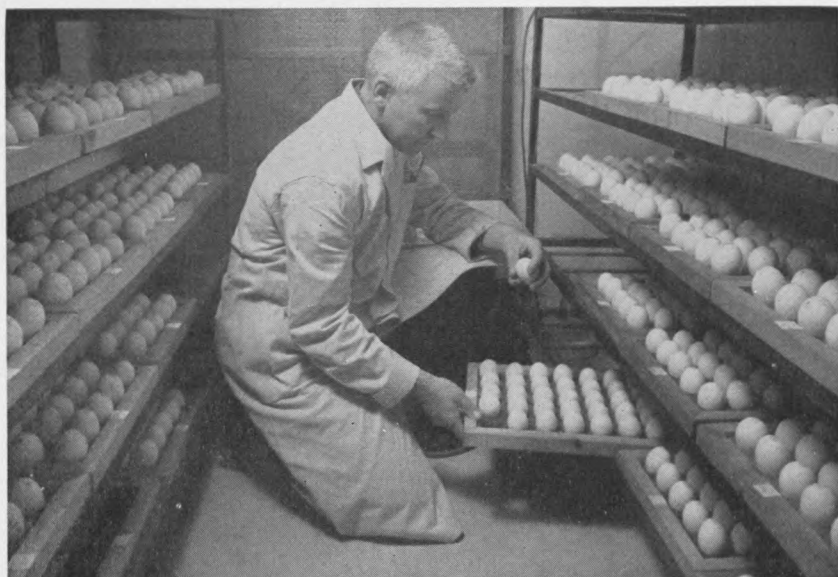


The new Dual Vaccine.

During the past year one of the first great objectives of the C.R.L.D.D. has been reached. That is the preparation of an attenuated, live vaccine against both distemper and infectious hepatitis. Unlike earlier vaccines, made before tissue culture methods had been developed, the new dual vaccine is completely safe. It cannot cause disease in the vaccinated dog; it cannot spread from a vaccinated dog to unvaccinated ones; from only one inoculation, it provides the long-lasting immunity expected from a live vaccine.

Current recommendations from the Cornell Research Laboratory for Diseases of Dogs include the following:

1. Vaccinate all dogs with new dual vaccine that consists of two modified live viruses which will give long-lasting immunity.
2. Vaccinate puppies when no younger than 9 weeks of age and preferably at that age, although equally good immunity is produced at a later age. An exception is the hand-reared puppy which received no colostrum. It can be vaccinated when 2 weeks of age.
3. Do not sell or give away any puppy unless it appears healthy and has been vaccinated for at least one week.
4. Do not buy or accept as a gift any puppy unless it appears healthy and has been vaccinated with the new dual vaccine for at least one week.
5. Remember it is the unvaccinated puppy which spreads disease.



In the incubator room, Dr. Sheffy is shown examining some of the many thousands of fertile eggs used at the Institute in development of vaccines and in studies of nutrition.

Animals vary markedly in their individual response to disease. One of the most obvious reasons seems the state of nutrition at time of infection. After infection many young animals fail to grow properly and always remain stunted in size. Since such stunting can be related, in some cases, to whether or not the infected animal had colostrum from an immune mother, one of our studies has been an analysis of constituents of colostrum that provide effective protection.

The embryos of fertile hen's eggs offer a means of assay devised by Dr. Sheffy and Dr. Baker that is effective and relatively inexpensive. The protective substances being studied are injected into eggs to test their ability to help the growing embryo overcome virus infection from subsequent inoculations of measured amounts of virus.



Esther Homan and Gabriella Lindey examine and record weight of chick embryos.



Barbara Johnson, histological technician, using a microtome.

Material is sent to the Laboratory from cooperating scientists in many parts of the country. Properly prepared specimens are embedded in paraffine, and sliced by razor sharp blades of a microtome into thin sections. These are mounted, stained, and fixed by various methods onto glass slides for further histological studies under the microscope.

Also developed and field tested at the Institute is a new combined vaccine which gives protection against three common diseases of cattle. We feel that such combined vaccines are the beginning of a new era in vaccine production and administration, since they are not only effective in prevention of disease, but offer much saving of time and labor to the animal owner and to the practicing veterinarian.

We again emphasize the fact that vaccines are not cures for disease. Antibodies always require a number of days before they can reach a titer high enough for prevention of disease. Vaccines cannot prevent infection if an animal has already been exposed to the fully virulent virus of disease, or if it is exposed at the time of vaccination. Again we emphasize the fact that vaccines alone are not the entire answer to disease control, but that studies must be continued on the individual and its response to disease.

PUBLICATIONS FROM THE VETERINARY VIRUS
RESEARCH INSTITUTE

- (1) Baker, J. A., Richards, Mabel G., Brown, A. L., and Rickard, C. G., Infectious Hepatitis in Dogs, Proc. A.V.M.A. 87th Ann. Meeting, 1950, 242-248.
- (2) —————, Feline Pneumonitis, Proc. A.A.H.A., 1951, 273-276.
- (3) —————, Leptospirosis in Cattle, Proc. Ohio State Vet. Con., 1951, 50-51.
- (4) —————, Recent Advances in Virus Diseases of Dogs, *ibid*, 54-58.
- (5) —————, Infectious Disease in Relation to Nutrition, Proc. Am. Feed Mfg. Assn., 1951.
- (6) —————, Report from the Cornell Research Laboratory for Diseases of Dogs, Proc. A.A.H.A., 1951, 163-164.
- (7) —————, Recent Findings in Infectious Diseases, Gaines Veterinary Symposium, Oct. 24, 1951.
- (8) —————, The New Hog Cholera Vaccines, Proc. A.V.M.A. 88th Ann. Meeting, 1951.
- (9) —————, Rinderpest, 57th Ann. Proc. U.S. Livestock Sanitary Assoc., Sept., 1953, 192-196.
- (10) —————, Immunity to Virus Diseases in Dogs, Proc. A.A.H.A., 1953.
- (11) —————, and York, C. J., Virus Diseases. Advances in Veterinary Science, Academic Press, Inc., 1953, 1, 49-74.
- (12) —————, York, C. J., Gillespie, J. H., and Mitchell, G. B., Virus Diarrhea in Cattle, Amer. Jour. Vet. Res., 1954, 15, 525-531.
- (13) —————, Leptospirosis in Dogs and Its Prevention, Gaines Veterinary Symposium, October 20, 1954.
- (14) —————, Expanding Knowledge of Viruses, Vet. Med., 50, 1955.
- (15) —————, Cattle Diseases (a chapter entitled "Leptospirosis"), published by American Veterinary Publications, Inc., Evanston, Ill. 1956.
- (16) —————, Psittacosis (a chapter entitled "Infections in Mammals caused by Members of the Psittacosis Group of Viruses"), published by Rutgers Press, New Brunswick, N.J., 1956.
- (17) —————, (with C. J. York), *Miyagawanella bovis* Infection in Calves. Annals of N.Y. Acad. of Sc., 1956, 66, 210-214. Article 1, Epidemic and Endemic Diarrheal Diseases of the Infant.
- (18) —————, Robson, D. S., Gillespie, J. H., Sheffy, B. E., and Marshall, V. Simultaneous Immunization of Cattle Against Leptospirosis, Virus Diarrhea and Infectious Bovine Rhinotracheitis. To be published.
- (19) Baker, Dudley, Infectious Diseases of Dogs, Amer. Kennel Gazette, Dec., 1953-Mar., 1955.
- (20) —————, Immunity, Vaccines and Vaccine Failures. Laboratory Report I, June, 1955.
- (21) —————, Leptospirosis. Laboratory Report II, April, 1956. October, 1957.
- (22) —————, Program to Control Infectious Diseases of Dogs. Laboratory Report III, May, 1957.
- (23) —————, Distemper Can Be Conquered. Amer. Kennel Gazette.
- (24) Burgher, J. A., Sarkar, S., Marshall, V., Gillespie, J. H., and Baker, J. A. Evaluation of a Combined Vaccine to Protect Dogs Against Canine Distemper and Infectious Canine Hepatitis. To be published.
- (25) Burnstein, T., Studies on the Role of the Adrenal Gland in Resistance Against the Toxin of the Feline Pneumonitis Virus. A Thesis, Cornell, 1951.
- (26) —————, Leptospirosis in Swine. A Thesis, Cornell, 1953.
- (27) —————, and Baker, J. A. Leptospirosis in Swine Caused by *Leptospira pomona*, Jour. Inf. Dis., 1954, 94, 53-64.
- (28) Celiker, A., and Gillespie, J. H., The Effect of Temperature, pH, and Certain Chemicals on Egg-cultivated Distemper Virus. Cornell Vet., 1954, 44, 276-280.
- (29) Erturk, Omer., A Comparison of the Effectiveness of Certain Antibiotics on *Miyagawanella Felis* Virus in Chick Embryo. The Cornell Vet., 1956, 46, 355-360.

- (30) Gillespie, J. H., and Baker, J. A., Experimental Q Fever in Cats. *Amer. Jour. Vet. Res.* 1952, 13, 91-94.
- (31) _____, Clinical Features of Infectious Canine Hepatitis. *Proc. A.V.M.A. 89th Ann. Meeting*, 1952, 224-225.
- (32) _____, Robinson, J. I., and Baker, J. A., Dual Infection of Dogs with Distemper Virus and Virus of Infectious Canine Hepatitis. *Proc. Soc. Exp. Biol. and Med.*, 1952, 81, 461-463.
- (33) _____, Some Preliminary Studies on the Problem of Encephalitis in Dogs. *Proc. A.A.H.A.*, 1951, 164-167.
- (34) _____, Encephalitis in Dogs Produced by Distemper Virus. *Amer. Jour. Vet. Res.*, 1956, 17, 103-108.
- (35) _____, Baker, J. A. and Poppensiek, G. C., Diarrhea in Puppies Caused by Distemper Virus. *Annals of N. Y. Acad. of Sc.*, 1956, 66, 204-209.
- (36) _____, Immunity to Distemper in Dogs. *Gaines Veterinary Symposium*, October 24, 1956.
- (37) _____, Lee, K. M., and Baker, J. A. Infectious Bovine Rhinotracheitis. *Am. J. Vet. Res.*, 1957, 18, 530-535.
- (38) Greig, A. S., A Pleuropneumonia-like Organism from Dogs, A Thesis, Cornell, 1953.
- (39) Lee, K. M., Transmissible Gastroenteritis in Swine, A Thesis, Cornell, 1952.
- (40) _____, Moro, M., and Baker, J. A. Transmissible Gastroenteritis in Pigs. *Am. J. Vet. Res.*, 1954, 15, 364-372.
- (41) _____, Tissue Culture and Animal Viruses, *Gaines Veterinary Symposium*, Oct. 19, 1955.
- (42) _____, Propagation of Transmissible Gastroenteritis Virus in Tissue Culture. *Annals of N.Y. Acad. of Sc.*, 1956, 66, 191-195.
- (43) _____, and Gillespie, J. H. Propagation of Virus Diarrhea Virus of Cattle in Tissue Culture. *Am. J. Vet. Res.* In press.
- (44) McBee, L. A., A Hitherto Undescribed Organism Infectious for Deer Mice, A Thesis, Cornell, 1952.
- (45) Moro, M., The Presence and Persistence of the Virus of Transmissible Gastroenteritis in Pigs, A Thesis, Cornell, 1954.
- (46) Poppensiek, G. C., and Baker, J. A., Persistence of Virus in Urine as Factor in Spread of Infectious Hepatitis in Dogs, *Proc. Soc. Exp. Biol. & Med.*, 1951, 77, 279-281.
- (47) _____, Infectious Hepatitis, *Gaines Veterinary Symposium*, Oct. 22, 1952.
- (48) _____, Immunology of Infectious Canine Hepatitis, *Proc. A.V.M.A. 89th Ann. Meeting*, 1952- 228-229.
- (49) _____, Virus Diseases of Dogs, *Vet. Med.*, 1952, 47, 282-284.
- (50) Sarkar, Siddhartha. Immunization of Dogs with Infectious Canine Hepatitis Virus Propagated by Tissue Culture in Swine Kidney Cells. A thesis. Cornell, 1957.
- (51) Stephenson, H. C., Summary of Symposium on Infectious Canine Hepatitis, *Proc. A.V.M.A. 89th Ann. Meeting*, 1952, 230-231.
- (52) _____, Four Kinds of Immunity in the Dog, *Gaines Veterinary Symposium*, Oct. 21, 1953.
- (53) _____, A Research Report on the Viral Diseases of Dogs, *Proc. A.A.H.A.*, May 1954.
- (54) _____, Dogs, Nutrition and Disease, *Proc. Dog Food Manufacturers Association*, Sept. 1955.
- (55) Stunzi H., Gillespie, J. H., and Celiker, A., Pathological Response of the Chorionallantoic Membrane of the Hen's Egg to Distemper Virus, *Cornell Vet.*, 1954, 44, 211-215.
- (56) York, C. J., and Baker, J. A., A New Member of the Psittacosis-Lymphogranuloma Group of Viruses that Causes Infection in Calves, *Jour. Exp. Med.*, 1951, 93, 587-604.
- (57) _____, and Baker, J. A., Vaccination for Bovine Leptospirosis, *Amer. Jour. Vet. Res.*, 1953, 14, 5-8.
- (58) _____, Complement-Fixation Test for Bovine Leptospirosis, *Amer. Jour. Vet. Res.* 1952, 13, 117-120.

ACKNOWLEDGMENTS

Of those who contributed September 15, 1956 to Sept. 15, 1957

INDIVIDUALS

- Mr. & Mrs. S. K. Allman, Jr.
 Anonymous (2)
 Mr. Francis R. Appleton, Jr.
 Mr. Frank C. Ash
 Mr. James Madison Austin
 (In Memoriam)
 Mr. & Mrs. William L. Austin
 Mr. Andrew Lindsay Baker
 Mrs. Dudley Baker
 Mrs. George F. Baker
 Mrs. Barbara Barty-King
 Mrs. Margaret A. Beach
 Mrs. William N. Beach
 Mr. James F. Bell
 Mr. F. J. Benkart
 Miss Mary Pew Benson
 Mr. Henry Berol
 Mrs. Luther S. Berry
 Mr. Thomas E. Berry
 Mr. & Mrs. Warren Bicknell, Jr.
 Mr. Abraham L. Bienstock
 Mr. Hiram B. D. Blauvelt
 Mr. & Mrs. Henry Blumenthal
 Mrs. Fanny H. Bolton
 Mr. Frederic H. Bontecou
 Mr. James C. Brady
 Mr. & Mrs. Andrew G. Carey
 (In Memory of Carino)
 Mr. Harold K. Castle
 Mr. C. Merrill Chapin, Jr.
 Mrs. Roy D. Chapin (In Memoriam)
 Mrs. Stanley Chapple
 Mr. Hendon Chubb
 Mr. John B. Clark
 Mr. Julian B. Clark
 Mr. & Mrs. James A. Cole
 Miss Alice M. Comstock
 (In Memory of Traka)
 Mr. Roland T. Cook
 Mrs. Francis V. Crane
 Mr. J. H. Crang
 Mrs. Richard E. Danielson
 Colonel & Mrs. Lee Garnett Day
 Mr. Louis L. DeFord
 Mrs. William Dobs
 Mrs. Geraldine R. Dodge
 Mrs. Filomena Doherty
 (In Memory of Imp)
 Mrs. Dorothy Donnelley
 Mr. Gaylord Donnelley
 Mr. Francis H. Dorsheimer
 Mrs. C. P. DuBose, Jr.
 Miss Doris Duke
 Mrs. H. B. duPont
 Mrs. Richard C. duPont
 Mrs. N. Clarkson Earl, Jr.
 Lady Eaton
 Mrs. W. G. Ebersole
 Mr. Duncan S. Ellsworth
 Mr. Barton Emanuel
 Mrs. Victor Emanuel
 Mr. W. Allston Flagg
 Mr. Edward C. Fleischmann
 Mr. and Mrs. William Flemmer, Jr.
 Mrs. George H. Flinn, Jr.
 Mr. & Mrs. Emory M. Ford
 Mrs. Walter C. Foster
 Miss Marcella Fox
 (In Memory of JoJo)
 Mr. & Mrs. William K. Frank
 Mr. P. H. B. Frelinghuysen
 Mrs. Mildred C. Furst
 (In Memory of Rhodri Mawr)
 Dr. George H. Gardner
 Mr. Norton L. Goldsmith
 Mr. Harry N. Gordon
 Dr. John S. Gordon
 Miss Emma M. Guckes
 Mrs. Josephine S. Hagar
 Mr. Sherman P. Haight
 Mr. Jay V. Hall
 Mrs. Jean F. Hand
 Mr. James G. Hanes
 Mrs. John B. Hannum, III
 Mr. & Mrs. E. Roland Harriman
 Mr. Philip A. Harris
 Mr. & Mrs. Jerrems C. Hart
 Miss Dona E. Hausman
 Dr. Harry M. Hayter
 Mr. Scott H. Herrick
 Mrs. Ellen H. R. Hirsh
 Mr. Carl Holmes
 Mrs. Emilia L. Holmes
 Mrs. Wendell T. Howell
 Mr. Denison B. Hull
 Mrs. Gilbert W. Humphrey
 Mr. Stanley Hyde
 Mr. Austin S. Igleheart
 Mrs. David S. Ingalls
 Mr. Fay Ingalls
 Mr. R. L. Ireland
 Mrs. Harold E. Johnson
 Mr. A. A. Jones
 Mrs. W. E. Josten
 Dr. & Mrs. I. Herbert Katz
 Miss Marian Ketchum
 Mrs. Seymour H. Knox
 Mrs. Robert D. Krohn
 Mr. Kingsley Kunhardt
 Miss Barbara M. Lane (In Memoriam)

INDIVIDUALS (Cont.)

- Mrs. Margaret C. Lane
 Dr. Clark Lemley
 Mrs. Albert P. Loening
 Mr. B. McCall
 Mr. Donald McMaster
 Mr. Hugh McMillan, Jr.
 Miss Mary McWain
 Mr. & Mrs. Forrest E. Mars
 Miss Helena Martinkewiz
 Meadow Brook Lodge No. 1005
 F.&A.M.
 Mr. Richard King Mellon
 Mr. William B. Mershon, Jr.
 Mr. Richmond F. Meyer
 Mr. Cornelius von E. Mitchell
 Mrs. W. C. Moore
 Mrs. H. S. Morgan
 Mr. & Mrs. Junius S. Morgan
 Mr. Malcolm Muir
 Mr. George Murnane
 Mr. C. Edward Murray, Jr.
 Mr. W. L. Newhall
 Mr. Maurice Newton
 Mr. & Mrs. H. W. Nichols, Jr.
 Mr. Harry I. Nicholas
 Mr. DeLancey Nicoll, Jr.
 Miss Laura Niles
 Mr. Robert Noerr
 Mr. John M. Olin
 Mr. A. Wells Peck
 Mr. Frank Sherman Peer
 (In Memoriam)
 Mr. & Mrs. Ralph Perkins
 Mrs. Susan D. Phillips
 Mr. John H. Phipps
 Miss Joann Pierce
 Mrs. R. Stuyvesant Pierrepont
 Mrs. Collier Platt
 Mrs. Parker Poe
 Mrs. Herman E. Prescott
 Mr. & Mrs. F. Weston Prior
 Mr. Edgar Monsanto Queeny
 Mr. B. Brannan Reath, 2nd
 Mrs. Bertha Reiser
 Mrs. Nancy C. Rockefeller
 Mr. Edmund P. Rogers
 Miss L. Mildred Ryan
 Mr. McA. Donald Ryan
 Mr. Edward L. Schacht (In Memoriam)
 Mrs. Marion DuPont Scott
 Mrs. Brewster Sewall
 Mrs. Stella Sharp
 Mr. Lawrence M. Shohan
 Mr. Thomas Shorley
 Mr. & Mrs. Jouett Shouse
 Major Clifford Sifton
 Dr. Ralph E. Smiley
 Mrs. Richard W. Smith
 Miss Alma Spieckerman
 Mr. & Mrs. H. B. Stewart
 Mr. F. D. M. Strachan, Jr.
 Mr. Walter C. Teagle
 Mr. L. H. Terpening
 Miss Barbara Thayer (In Memoriam)
 Mr. & Mrs. Joseph A. Thomas
 Mr. L. S. Thompson
 Mrs. Mary Ellis Turner
 Mrs. Marguerite S. Tyson
 Count Alfonso P. Villa
 Mr. F. S. von Stade
 Mr. G. G. Wade
 Mr. William P. Wadsworth
 Miss Sylvia Warren
 Mr. J. Watson Webb
 Mrs. F. Carrington Weems
 Mrs. Raymond L. Whitman
 Mrs. Vincent F. Wilcox, Jr.
 Mr. Robert Winthrop

VETERINARIANS

- Dr. & Mrs. George W. Abbott
 Dr. William H. Adolph, Jr.
 Dr. Milton E. Adsit
 Dr. Peter I. Amsher
 Dr. J. Gordon Anderson
 Dr. Jacob Antelyes
 Dr. & Mrs. David E. Armstrong
 Dr. Edward Baker
 Dr. David Barsky
 Dr. Lester B. Barto
 Dr. Robert W. Batchelder
 Dr. Walter O. Bauer
 Dr. LaVerne M. Beakman
 Dr. Milford E. Becker
 Dr. Walter L. Benedict
 Dr. Jane W. Benson
 Dr. Kenneth W. Benson
 Dr. Carl R. Benton
 Dr. Israel Berkowitz
 Dr. Meyer Berliner
 Dr. Charles E. Bild
 Dr. and Mrs. Donald O. Bixby
 Dr. Frank Bloom
 Dr. Leon I. Blostein
 Dr. Morris E. Blostein
 Dr. William Boardman
 Dr. Anthony A. Boden
 Dr. Sidney Bogen
 Dr. John K. Bosshart
 Dr. Gordon D. Boyink
 Dr. Stanton E. Bower
 Dr. Dorothy E. Bradley
 Dr. Nathan R. Brewer
 Dr. Phillip R. Brown

VETERINARIANS (Cont.)

- Dr. & Mrs. Robert F. Brown
 Dr. & Mrs. Roswell L. Brown
 Dr. Lloyd F. Buckley
 Dr. Herbert J. Buell
 Dr. William C. Buell
 Dr. & Mrs. Harry F. Burghardt
 Dr. Neil E. Bush
 Dr. Forbes F. Bushnell
 Dr. & Mrs. H. Driscoll Cain
 Dr. John S. Cameron
 Dr. James S. Carnrite
 Dr. Robert A. Carreau
 Dr. Howard F. Carroll
 Dr. Arthur S. Charles
 Dr. George C. Christensen
 Dr. O. Norling Christensen
 Dr. Robert E. Clark
 Dr. Edward C. Cleveland
 Dr. Howard J. Cleveland
 Dr. Norman Cole
 Dr. Donald K. Collins
 Dr. Clarence C. Combs
 Dr. Margaret Combs
 Dr. Lawrence H. Conlon
 Dr. & Mrs. Harold K. Cooper
 Dr. Louis A. Corwin
 Dr. James C. Crandall
 Dr. Mark R. Crandall
 Dr. Douglas B. Crane
 Dr. John E. Crawford
 Dr. & Mrs. J. Stuart Crawford
 Dr. Edward R. Cushing
 Dr. Arthur L. Danforth
 Dr. Arthur C. Davidson
 Dr. William A. Davidson
 Dr. F. Langdon Davis
 Dr. & Mrs. Clayton E. DeCamp
 Dr. & Mrs. James M. Delaney
 Dr. Theodore M. DeVries
 Dr. Daniel Di Bitetto
 Dr. Sol Dolinger
 Dr. Michael J. Donahue
 Dr. Paul Doran
 Dr. Henry M. Doremus
 Dr. Helen B. Doremus
 Dr. Sam H. Dorfman
 Dr. & Mrs. George T. Dorney
 Dr. Michael E. Doty
 Dr. Arthur B. Douglas
 Dr. Daniel Duberman
 Dr. John W. Earl
 Dr. Jeness W. Eastman
 Dr. Milton F. Ebersol
 Dr. Charles D. Ebertz
 Dr. Ralph T. Ellison
 Dr. Reid B. England
 Dr. Joseph B. Engle
 Dr. Arthur J. Fallon
 Dr. & Mrs. Harry J. Fallon
 Dr. Walter J. Fallon
 Dr. Harvey L. Fell
 Dr. Leonard Ferber
 Dr. Robert Ferber
 Dr. Stanley E. Ferguson
 Dr. & Mrs. Lincoln E. Field
 Dr. & Mrs. Robert A. Field
 Dr. Myron G. Fincher
 Dr. Jacob Finkelstein
 Dr. Lendall K. Firth
 Dr. S. A. Fittipaldi
 Dr. Charles E. Fletcher
 Dr. Dana D. Ford
 Dr. Robert W. Freedman
 Dr. Kenneth S. Friderici
 Dr. Irvin W. Frock
 Dr. Howard K. Fuller
 Dr. Edward Garner
 Dr. Stanley E. Garrison
 Dr. Ordella Geisler
 Dr. Rebecca Gifford
 Dr. Judd T. Gilmour
 Dr. Samuel Glenn
 Dr. William E. Glindmyer
 Dr. John D. Goebel
 Dr. Abie Goldberg
 Dr. Lewis A. Goldfinger
 Dr. Tevis M. Goldhaft
 Dr. Robert C. Gonser
 Dr. Laurence W. Goodman
 Dr. Ruben Gordon (In Memoriam)
 Dr. George E. Gorse
 Dr. Charles J. Goubeaud
 Dr. James A. Gourley
 Dr. Edward T. Greenstein
 Major Russel F. Greer
 Dr. Roger Grossman
 Dr. & Mrs. Harris H. Groten
 Dr. Roger W. Grundish
 Dr. William A. Hagan
 Dr. Gilbert N. Haigler
 Dr. Stanwood W. Haigler
 Dr. Daniel L. Haley
 Dr. George D. Halpin
 Dr. R. E. Hammond
 Dr. Daniel J. Hannigan
 Dr. Harry E. Hansen
 Dr. Joseph W. Harrison
 Dr. Chester Hartenstein
 Dr. Samuel E. Herman
 Dr. Thomas E. Hickey
 Dr. John V. Hills
 Dr. Oby J. Hoag
 Dr. Charles Hodder
 Dr. Jean Holzworth
 Dr. & Mrs. David Hopkins
 Dr. James H. Howard
 Dr. Nathan Z. Howard
 Dr. Lyman L. Hoy

VETERINARIANS (Cont.)

- Dr. Donald V. Hughes
 Dr. & Mrs. Stanley B. Jacobs
 Dr. Louis H. Jacobson
 Dr. Du Bois L. Jenkins
 Dr. Eugene M. Jones
 Dr. Wallace G. Jones
 Dr. Louis Juliand
 Dr. & Mrs. Leo R. Karmin
 Kindness Hospital
 Dr. Charles B. King, Jr.
 Knowles Animal Hospital
 Dr. Michael J. Kolar
 Dr. Harold Kopp
 Dr. Moe Kopp
 Dr. Irene Kraft
 Dr. Kenneth Kronman
 Dr. John V. Lacroix
 Dr. Theodore J. Lafeber
 Dr. Chester J. Lange
 Dr. Howard S. Larson
 Prof. James Law (In Memoriam)
 Dr. David E. Lawrence
 Dr. Jacob W. Lawrence
 Dr. John R. Leahy
 Dr. Jacob Lebish
 Dr. Edwin Leonard
 Dr. & Mrs. Harmon C. Leonard
 Dr. Murray M. Lerner
 Dr. Lawrence Leveson
 Dr. Francois Levesque
 Dr. Bertram Lewis
 Dr. Gilbert Lewis
 Dr. Joseph J. Libra
 Dr. Leo L. Lieberman
 Dr. Lionel W. Lindsey
 Dr. Arthur Lipman
 Dr. Bernard Lipman
 Dr. Robert G. Little, Sr.
 Dr. Robert G. Little, Jr.
 Dr. Jeanne Newbecker Logue
 Dr. Thomas J. Love
 Dr. George H. Ludins
 Dr. Donald R. Lynch
 Dr. John L. McAuliff
 Dr. & Mrs. Frank McBride
 Dr. Gerald E. McCarthy
 Dr. James J. McCarthy, Jr.
 Dr. Philip L. McClave
 McClelland Veterinary Hospital
 Dr. John E. McCormick
 Dr. Clifford L. McGinnis
 Dr. Vincent E. McKenna
 Dr. Alexander D. MacCallum
 Dr. Robert S. MacKellar
 Dr. Edwin D. Mackey
 Dr. Harry J. Magrane, II
 Dr. & Mrs. Edward A. Majilton
 Dr. Wilber C. Maker
 Dr. Melvin J. Marcus
 Dr. Vincent Marshall
 Dr. Donald B. Martin
 Dr. & Mrs. Howard E. Martin
 Dr. Walter D. Martin, Jr.
 Dr. Robert E. May
 Dr. Karl Mayer
 Dr. Morton Meisels
 Dr. Raphael Meisels
 Dr. Edward C. Melby
 Dr. Lykergus W. Messer
 Midwest Veterinary Hospital
 Dr. Robert K. Milkey
 Dr. & Mrs. Richard V. Milks
 Dr. & Mrs. Albert W. Miller
 Dr. John W. Miller
 Dr. Walter R. Miller
 Dr. Jack Mindell
 Dr. Grayson B. Mitchell
 Dr. Walter H. Mitchell
 Dr. Ellis L. Montfort
 Dr. Mark L. Morris
 Dr. Gordon G. Morrow
 Dr. R. Gordon Murch
 Dr. & Mrs. John D. Murray
 Dr. Sidney Nathanson
 Dr. Howard W. Naylor
 Dr. Jacque W. Neff
 Capt. Robert C. Nelson
 Dr. Louis O. Nevesky
 Dr. Wright I. Newton
 Dr. Arthur F. North, Jr.
 Dr. Sidney R. Nusbaum
 Dr. Richard C. Olmstead
 Dr. Russell B. Oppenheimer
 Dr. Robert E. Patterson
 Dr. Jerome Payton
 Dr. Donald E. Pelloth
 Dr. Stanley G. Penny
 Dr. Webster V. Phillips
 Dr. Charles E. Pilger
 Dr. Clifford C. Plant
 Dr. Samuel Pollock
 Dr. Morris L. Povar
 Dr. Ralph Povar
 Dr. Donald J. Pressler
 Dr. John S. Proper
 Dr. Mac Rachman
 Dr. Robert A. Rands
 Dr. Harry B. Reece
 Dr. Jerome H. Ripps
 Dr. Joseph H. Robbins
 Dr. Irving M. Roberts
 Dr. James W. Roberts
 Dr. Elmer L. Robinson
 Dr. John W. Robinson
 Dr. Mary Ford Rowan
 Dr. William E. Roy
 Dr. E. Edgar Ruebush, Jr.
 Dr. Maurice H. Ryan
 Dr. Hyman J. Sachs
 Dr. Charles W. Sanderson
 Dr. Benjamin Sann

VETERINARIANS (Cont.)

- | | |
|-------------------------------------|-----------------------------|
| Dr. Clarence C. Sapp, Jr. | Dr. R. Frank Vigue |
| Dr. Richard Saunders | Dr. George D. Vineyard |
| Dr. Milton P. Sause | Dr. Lawrence T. Waitz |
| Dr. Joseph P. Sayres | Dr. Robert R. Watkins |
| Dr. Albert Schaffer | Dr. Walter D. Way |
| Dr. Harold G. Scheffler | Dr. Carr R. Webber |
| Dr. Carl L. Schenholm | Dr. Charles W. Weinberg |
| Dr. George C. Schloemer | Dr. Henry C. Weisheit |
| Dr. Wilbur P. Schwobel | Dr. John J. Wermuth |
| Dr. Charles O. Seward | Dr. Helen Wernicoff |
| Dr. Richard N. Shaw | Dr. Nathan Wernicoff |
| Dr. Leonard H. Sherman | Dr. William J. Westcott |
| Dr. Robert F. Shigley | Dr. Ralph F. Wester |
| Dr. John S. Sickles | Dr. Floyd H. White |
| Dr. Morris Siegel | Dr. Howard S. White |
| Dr. Harrison B. Siegle | Dr. John E. Whitehead |
| Dr. Eric W. Simmons | Dr. Charles T. Whitney |
| Dr. Harold F. Simon | Dr. George W. Wicks, Jr. |
| Dr. Isidor J. Sprecher | Dr. Harrison J. Wilcox, Jr. |
| Stack Veterinary Hospital | Dr. Horace F. Wilder |
| Dr. Donald J. Steed | Dr. Jack E. Wilkes |
| Dr. John R. Steele | Dr. Paul H. Wilkes |
| Dr. Rudolph J. Steffen | Dr. Ernest H. Willers |
| Dr. Edward F. Steinfeldt | Dr. Janet M. Willetts |
| Dr. William E. Steinmetz | Dr. Augusta G. Williams |
| Dr. Hadley C. Stephenson | Dr. Jane L. Williamson |
| Dr. Roy L. Stephenson (In Memoriam) | Dr. Frederic C. Willson |
| Dr. Joseph R. Sterling | Dr. Louis L. Wilson |
| Dr. Richard Stone | Dr. Irving W. Wiswall |
| Dr. Robert E. Storm | Dr. R. George Wiswall |
| Dr. C. R. Swearingen, Jr. | Dr. Lemuel W. Woodworth |
| Dr. John C. Sweatman | Dr. Daniel T. Woolfe |
| Dr. James D. Sweet | Dr. Alan W. Wright |
| Dr. Jerome A. Theobald | Dr. & Mrs. Leo A. Wuori |
| Dr. Joseph A. Thomas | Dr. David E. Wyatt |
| Dr. Robert L. Ticehurst | Dr. Isidor Yasgur |
| Dr. Lyle J. Tillou | Dr. & Mrs. H. Grady Young |
| Dr. Matthew A. Troy | Dr. Irving Zimmerman |
| Dr. J. Corydon Turner | Dr. Manuel Zimmerman |
| Dr. Ralph C. Vierheller | Dr. William J. Zontine |

VETERINARY ASSOCIATIONS

- | | |
|--|--|
| Bronx County Veterinary Society | Southern Tier Veterinary Medical Association |
| Catskill Mountains Veterinary Medical Association | Veterinary Medical Association of New York City, Inc. |
| Central New York Veterinary Medical Association | Westchester Veterinary Medical Association |
| Hudson Valley Veterinary Medical Society | Western New York Veterinary Medical Association, Inc. |
| Long Island Veterinary Medical Association | West Virginia Veterinary Medical Association |
| Michiana Veterinary Medical Association | Women's Auxiliary to the New York State Veterinary Medical Society |
| New York State Veterinary Medical Society | Women's Auxiliary to the Veterinary Medical Association of New York City, Inc. |
| Northern New York Veterinary Medical Association | |
| Oregon State Veterinary Medical Association | |
| Southern California Veterinary Medical Association | |

COMPANIES

Albers Milling Company
 All-Pets Books, Inc.
 All-Pets Magazine, Inc.
 Armour and Company
 The Beacon Milling Company, Inc.
 Burroughs Wellcome & Company, Inc.
 Calo Dog Food Company, Inc.
 Corn States Laboratories, Inc.
 Diamond Laboratories
 Eaton Laboratories
 Fort Dodge Laboratories, Inc.
 General Mills, Inc.
 Cooperative G. L. F. Exchange, Inc.
 Goshen Laboratories, Inc.
 Haver-Lockhart Laboratories
 Hi-Life Packing Company
 Hill Packing Company
 Jensen-Salsberry Laboratories, Inc.
 Kasco Mills, Inc. (Division of Corn
 Products Refining Co.)
 Lederle Laboratories (Division of
 American Cyanamid Co.)
 Lewis Food Company
 Eli Lilly & Company
 Marble Hill Crematory for Pet Animals
 Merck Sharp & Dohme Research
 Laboratories
 Miller's Dog Foods
 H. W. Naylor Company
 Norden Laboratories
 The North American Veterinarian
 Nutrena Mills, Inc.
 (Division of Cargill Inc.)
 Pennsylvania Veterinary Supply Company
 Charles Pfizer & Company, Inc.
 Pitman-Moore Company
 Polk Miller Products Corporation
 The Quaker Oats Company
 Research Laboratories, Inc.
 Schering Corporation
 E. R. Squibb & Sons (Division of
 Olin Matheson Chemical Corp.)
 Standard Brands Incorporated
 Standard Brands Limited of Canada
 Syracuse Pharmalac Company
 The Upjohn Company
 U. S. Vitamin Corporation
 Western Grain Company
 Winthrop Laboratories

CLUBS

Airedale Terrier Club of America
 Aldenholme Kennels
 Amateur Dog Judges Association of
 America
 American Amateur Retriever Club
 American Boxer Club, Inc.
 American Chesapeake Club
 American Foxhound Club
 American Fox Hunters Association
 American Kennel Club, Inc.
 American Shetland Sheepdog Association
 American Spaniel Club
 American Whippet Club
 Association of Obedience Clubs &
 Judges, Inc.
 Bar K Belgian Sheepdogs
 Beaglers of Orange Empire
 Belgian Sheepdog Club of America, Inc.
 Borzoi Club of America
 Boxer Club of San Diego County
 Boxer Club of Western New York
 Branchwater Hunt Club
 Buckeye Retriever Club, Inc.
 Bulldog Club of America
 Camden Hunt
 Canine Training Association, Inc.
 Canonsburg Sportsmen's Association
 Capital Dog Training Club of Washing-
 ton, D. C.
 Capitol City Beagle Club, Inc.
 Cascade Dachshund Club
 Catawba County Beagle Club
 Catonsville Kennel Club, Inc.
 Central Florida Kennel Club, Inc.
 Central Maine Beagle Club
 Central Missouri Beagle Club
 Chagrin Valley Beagle Club
 Charleston Kennel Club
 Chesapeake Bay Retriever Club
 Cheshire Kennel Club, Inc.
 China Lake Kennel Club
 The Cleveland All Breed Training Club,
 Inc.
 Cocker Spaniel Club of Eastern Missouri
 Cocker Spaniel Club of Hawaii
 The Cocker Spaniel Club of Kentucky,
 Inc.
 Cocker Spaniel Club of Tulsa
 Collie Club of Northern New Jersey
 Collie Club of Western New York
 Columbus Collie Club
 Dachshund Club of America
 Dachshund Club of the Great Lakes
 Dachshund Club of New Jersey
 Danville Illinois Kennel Club
 Dayton Dog Training Club, Inc.
 Delsea Beagle Club, Inc.
 Dog Training Club of Hollywood & Fort
 Lauderdale
 Duluth Retriever Club

CLUBS (Cont.)

- Endeavor Rod & Gun Club
 English Springer Spaniel Club of
 Southern California, Inc.
 Essex Fox Hounds
 Finger Lakes Kennel Club
 Florida East Coast Dachshund Club, Inc.
 Fort Wayne Beagle Club, Inc.
 Foxcatcher Hounds
 German Shepherd Dog Club of America,
 Inc.
 German Shepherd Dog Club of Canada
 German Shepherd Dog Club of Central
 Ohio, Inc.
 German Shepherd Dog Club of Rochester,
 Inc.
 Golden Retriever Club
 Gopher State Retriever Club
 Gordon Setter Club of America
 Great Dane Club of California
 The Heart of Ohio Great Dane Club
 The Hillsboro Hounds
 Housatonic Kennel Club
 Hudson Highland Dog Training Club
 Huntington Kennel Club, Inc.
 Illinois Valley Kennel Club
 Indiana County Beagle Club
 Ingham County Kennel Club, Inc.
 International Beagle Federation, Inc.
 Interstate Poodle Club
 Irish Water Spaniel Club of America
 Ithaca Dog Training Club
 Jefferson Sportsman's Club
 Kanasaga Kennel Club, Inc.
 The Kennel Club of Northern New
 Jersey, Inc.
 Knockcross Kennels
 Labrador Retriever Club, Inc.
 Lake Shore Kennel Club, Inc.
 Lancaster County Dog Trainnig Club
 Langley Kennel Club, Inc.
 The Little Guild of St. Francis
 Long Island Kennel Club
 Louisville Kennel Club, Inc.
 Lower Camden County Dog Training
 Club
 Madison Retriever Club
 Magic Valley Kennel Club, Inc.
 Mahoning-Trumbull Beagle Club, Inc.
 Manitowoc County Kennel Club
 Marin County Dog Training Club
 Maryland Cocker Spaniel Club, Inc.
 Mason and Dixon Kennel Club, Inc.
 Meri-Miss Kennel Club, Inc.
 Merrimac Dog Training Club
 Michigan Boxer Club
 Middleburg Hunt
 Miniature Schnauzer Club of Michigan
 Minneapolis Kennel Club
 Minnesota Field Trial Association
 Moore County Hounds
 Morris & Essex Kennel Club
 Moskeeter Gun Club Companions
 Mountain States Shetland Sheepdog Club,
 Inc.
 Nassau Dog Training Club
 National Beagle Club
 National Retriever Field Trial Club, Inc.
 Nebraska Dog & Hunt Club, Inc.
 New England Association of Beagle Clubs
 New England Dog Training Club, Inc.
 New England Sled Dog Club, Inc.
 Niagara Cocker Spaniel Club
 North Dakota Retriever Club, Inc.
 Northern California Beagler's Club
 Northern California Retriever Trial Club
 Northern California Whippet Racing
 Association
 Northern Tier Beagle Club, Inc.
 Northern West Virginia Beagle Club, Inc.
 North Jersey Beagle Club, Inc.
 North Oaks Kennel Club
 North Shore Dog Training Club, Inc.
 Norwegian Elkhound Association of
 America
 The Norwich Terrier Club
 Oak Brook Polo Club
 Oakland County Kennel Club, Inc.
 Obedience Training Club of Essex County
 Oklahoma City Obedience Training Club,
 Inc.
 Old English Sheepdog Club of America
 Old Monmouth Dog Training Club, Inc.
 Olentangy Beagle Club, Inc.
 Olympic Kennel Club, Inc.
 Onondaga Kennel Association, Inc.
 Orange County Fox Hunters Association
 Orange County Hunt
 Ox Ridge Kennel Club
 Peaks Lake Retriever Club
 Penn-Ohio Miniature Schauzer Club
 Penn Treaty Kennel Club, Inc.
 Pickering Hunt
 Piedmont Fox Hounds, Inc.
 Poodle Club of Massachusetts
 Poodle Obedience Training Club
 Port Chester Obedience Training Club
 Potomac Boxer Club
 Pugville Kennel, Reg.
 Queensboro Kennel Club, Inc.
 Rapids Retriever Club
 Red Jacket Association of Beagle Clubs
 Rockland County Kennel Club
 Rolfe Beagle Club
 Rolling Fork Beagle Club, Inc.
 Rubber City Kennel Club
 St. Joseph Kennel Club, Inc.
 St. Louis Collie Club
 Salinas Valley Sporting Dog Association

CLUBS (Cont.)

Sandia Dog Obedience Club	Suffolk Obedience Training Club, Inc.
San Fernando Valley Springer Spaniel Club	Sussex Hills Kennel Club, Inc.
San Joaquin Dog Trainnig Club	Timber Town Kennels
Saranac Lake Hare and Beagle Club, Inc.	Toronto & North York Hunt
Scottish Terrier Club of California	Tri-State Shetland Sheepdog Club
Scottish Terrier Club of Kentucky	Union County Kennel Club, Inc.
Shakerag Hounds, Inc.	United States Open Field Trials, Inc.
Sherman All-Breed Dog Training Group	Upstate Cocker Spaniel Specialty Club
Shetland Sheepdog Club of Northern California	Vancouver Dog Obedience Training Club
Shreveport Kennel Club	Washington State Cocker Spaniel Club, Inc.
Siberian Husky Club of America	Waterloo Kennel Club
Sierra Dachshund Breeders Club of Los Angeles County	West Allis Retriever Club
Skye Terrier Club of America	Westbury Kennel Association
Somerset County Dog Obedience Club	Westchester Kennel Club
Southern Association of Beagle Clubs, Inc.	West Coast Cocker Spaniel Club
Southern California Beagle Club	Western Montana Retriever Club, Inc.
South Shore Dog Training Club, Inc.	Western New York Fox Hunters Association
South Side All-Breed Dog Training Club, Inc.	Western New York Retriever Club, Inc.
South Texas Obedience Club	Western Pennsylvania Dachshund Club
Springer Spaniel Club of Ohio	White River Valley Beagle Club
Staten Island Kennel Club	Wisconsin Amateur Field Trial Club, Inc.
	Wolf River Retriever Club

In establishing the Institute under its administration, the Board of Trustees authorized the Treasurer's office of Cornell University to act as custodian of all funds given in support of the Institute. Donors, therefore, are assured of maximum benefit from their gifts by this supervision of Cornell University officials. Cornell welcomes any gifts or bequests that will help the work of the Institute. All checks should be made payable to Cornell University.