





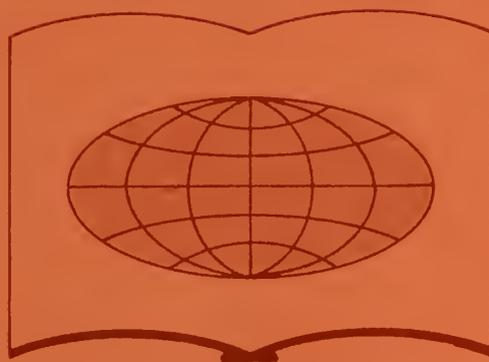






# Pesticides DOCUMENTATION BULLETIN

**CUMULATIVE  
INDEX**



**VOLUME 4  
JAN. 1/JUNE 7, 1968**



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U. S. DEPARTMENT OF AGRICULTURE

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# PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4, Accumulative Index

January 1-June 7, 1968

## OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library. It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural, ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

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The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

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## AERIAL SPRAYING

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## ZINGIBER OFFICINALE

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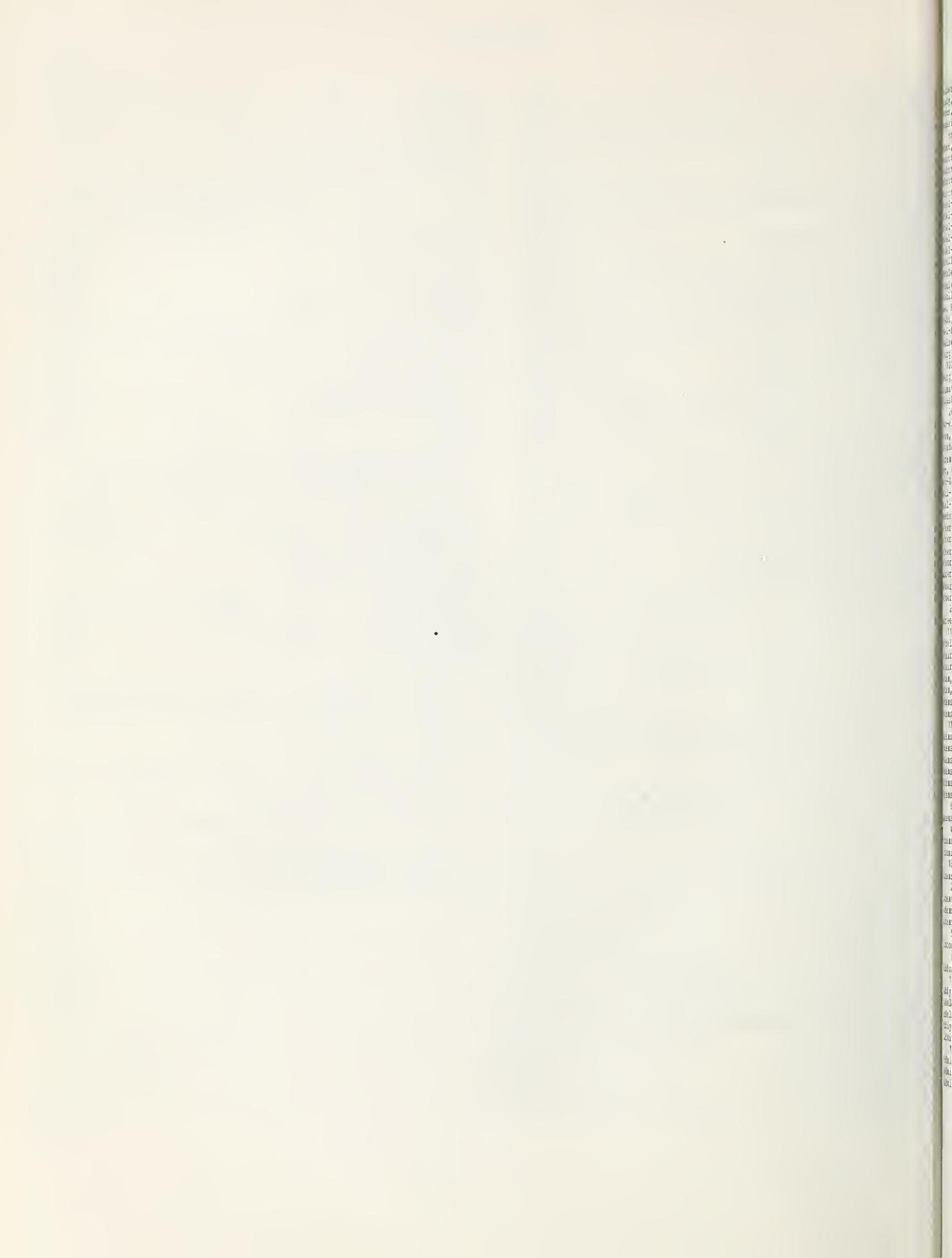
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| Dept. Of Veterinary Microbiology                             | 1897  |       | Agricultural Institute, Dunsinea, Dublin, Ireland              |                          |
| A. And M. College Of Texas                                   |       |       | Animal Production Division                                     | 6226                     |
| School Cf Veterinary Medicine                                |       |       | Agricultural Institute, Johnstown Castle, Wexford, Ireland     |                          |
| Dept. Cf Veterinary Pathology                                | 10136 |       | 5724   |                          |
| A. And M. College Of Texas, College Station                  | 919   | 920   | Agricultural Marketing Service, Beltsville, Md.                | 6912                     |
| 1181 11994   |       |       | Agricultural Res. Council Unit Of Ins. Phys., Cambridge, Eng   |                          |
| A. and M. College Of Texas, College Station                  |       |       | Dept. Of Zoology   | 2582                     |
| Dept. Of Pcultry Science                                     | 4683  |       | Agricultural Res. Council Unit Of Insect Phys., Cambridge, eng |                          |
| A. and M. College Of Texas, Ccllege Station                  |       |       | 2571   |                          |
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| A. and M. College Of Texas, College Station                  |       |       | National Agricultural Advisory Service                         | 5900                     |
| Dept. Of Veterinary Pathology                                | 4640  |       | Agricultural Research And Development Center, Wooster, Ohio    |                          |
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| School Cf Veterinary Medicine                                | 4641  |       | Dept. Of Zoology And Entomology                                | 797                      |
| A. and M. College Of Texas, College Station                  |       |       | Agricultural Research Center, ARS, USDA, Beltsville, Md.       |                          |
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| A. C. R. Institute Cf Animal Ehyiolcgy, Babraham, Cambridge  |       |       | Agricultural Research Service                                  |                          |
| 3035   |       |       | Animal Husbandry Research Division                             |                          |
| A. G. Schering, Berlin, Germany                              | 12545 |       | Dairy Cattle Research Branch                                   | 1769 1903                |
| A. R. C. Institnte Of Animal Ehyiolgy, Bahraham, Cambridge   |       |       | Agricultural Research Center, Beltsville, Md.                  |                          |
| 1898 1899  |       |       | Animal Husbandry Research Division, A. R. S.                   | 2860                     |
| A. R. C. Institute Of Animal Ehyiolgy, Cambridge, England    |       |       | Agricultural Research Council Field Station, Berks, England    |                          |
| 1900   |       |       | 4552   |                          |
| Abhctt Laboratories, Chicago, Ill.                           | 11169 |       | Agricultural Research Council Field Station, Cmpton            | 3039                     |
| Abhott Laboratories, North Chicago, Ill.                     |       |       | Agricultural Research Council Field Station, Kent, England     |                          |
| Amadal Cc. Divisiur  | 1901  |       | 4669   |                          |
| Abhott Laboratories, North Chicago, Ill.                     |       |       | Agricultural Research Council Institute, Berkshire, England    |                          |
| Dept. Of Agricultural And Veterinary Research                | 4923  |       | Research On Animal Diseases                                    | 7457                     |
| Abhctt Laboratories, North Chicago, Illinois                 | 3036  | 12631 | Agricultural Research Council Weed Research Org., England      |                          |
| Academic Press, New Ycrk                                     |       |       | 5899   |                          |
| Journal Of Insect Pathology                                  | 77    |       | Agricultural Research Council, Bahraham, Cambridge             |                          |
| Academy Of Science, USSR, Leningrad                          |       |       | Institute Of Animal Physiology                                 | 2539                     |
| Sechenov Institute Of Evolutionary Physiology                | 2580  |       | Agricultural Research Council, Begbroke Hill, England          |                          |
| Academy Of Sciences, Czechoslcvakia                          |       |       | Weed Research Organization                                     | 3664 3752                |
| Entomclgy Institute  | 8135  |       | Agricultural Research Council, Begbroke Hill, London           |                          |
| Aerojet-General Corporation, Azusa, California               | 12871 |       | Weed Research Organization                                     | 2760                     |
| Afr. Expclsives And Chem. Inds. Ltd.,p. O. Northrand, S.afr. |       |       | Agricultural Research Council, Berkshire, England              |                          |
| Research Dept.   | 2581  |       | Institute For Research On Animal Diseases                      | 7610                     |
| African Explosives And Chemical Industries, Ltd.             |       |       | Agricultural Research Council, Berkshire, England              |                          |
| Research Development   | 10672 |       | Institute For Research On Animal Diseases.                     | 7358                     |
| Agric. Res. Council, Cmpton, Near Newbury, Berkshire, Eng.   |       |       | Agricultural Research Council, Cambridge                       |                          |
| Institute For Research On Animal Diseases                    |       |       | Unit Of Insect Physiology                                      | 2583                     |
| Dept. Of Functional Pathology                                | 2857  |       | Agricultural Research Council, Cambridge, England              |                          |
| Agricultural And Mechanical College Of Tex., College Station |       |       | Institute Of Animal Physiology                                 | 8840                     |
| Dept. Of Plant Sciences                                      | 11184 |       | Agricultural Research Council, Cambridge, England              |                          |
| Agricultural And Mechanical Ccllege Of Texas                 |       |       | Unit Of Insect Physiology                                      | 6517 6670                |
| School Cf Veterinary Medicine                                |       |       | Agricultural Research Council, Cambridge, England              |                          |
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| Agricultural And Mechanical Ccllege Of Texas                 |       |       | Agricultural Research Council, Cmpton, Berks, England          |                          |
| Texas Agricultural Experiment Station, College Station       |       |       | Field Station  | 4977 11072               |
| Dept. Of Biochemistry And Nutrition                          | 3657  |       | Agricultural Research Council, Cmpton, Berkshire               |                          |
| Agricultural And Mechanical Ccllege Of Texas                 |       |       | Field Station  | 1904 3041 3042 3043 3044 |
| Texas Agricultural Experiment Station, College Station       |       |       | Agricultural Research Council, Cmpton, Berkshire               |                          |
| Dept. Of Veterinary Medicine                                 | 2858  | 3656  | Institute For Research On Animal Diseases                      | 3040                     |
| Agricultural And Mechanical College Of Texas                 |       |       | Agricultural Research Council, Cmpton, Berkshire, England      |                          |
| Texas Agricultural Experiment Station, College Station       |       |       | Institute For Research On Animal Diseases                      | 583 1905                 |
| Dept. Of Veterinary Pathology                                | 3037  |       | Agricultural Research Council, Cmpton, Newbury, Berk., Eng.    |                          |
| Agricultural And Mechanical College Of Texas.                |       |       | Institute For Research On Animal Diseases                      |                          |
| School Cf Veterinary Medicine                                |       |       | Dept. Of Functional Pathology                                  | 3045                     |
| Dept. Of Veterinary Parasitclgy                              | 3599  |       | Agricultural Research Council, Cmpton, Newbury, Berkshire      |                          |
| Agricultural And Mechanical Ccllege Of Texas, College Stat.  |       |       | Institute For Research On Animal Diseases.                     | 6086                     |
| Dept. Of Veterinary Microbiology                             | 1902  |       | Agricultural Research Council, Edinburgh                       |                          |
| Agricultural And Veterinary Research Institute, Kohlenz      |       |       | Poultry Research Centre  | 591 3046 6192            |
| 3038   |       |       | Agricultural Research Council, Edinburgh, Scotland             |                          |
| Agricultural Chemicals Industry                              | 2711  | 9236  | Poultry Research Centre  | 5137 11091               |
| Agricultural College Of Sweden, Uppsala                      |       |       | Agricultural Research Council, Edinburgh, U. K.                |                          |
| Dept. Of Flant Hushandry                                     | 4490  |       | Poultry Research Centre  | 1906                     |
| Agricultural Experiment Station                              |       |       | Agricultural Research Council, Oxford, England                 |                          |
| Dept. Of Zoolgy-Entomology                                   | 12110 |       | Weed Research Organization                                     | 3726 3753                |
| Agricultural Experiment Staticn, Auburn                      |       |       | Agricultural Research Council, Slough, Bucks                   |                          |
| Auhurn University  |       |       | Pest Infestation Laboratory                                    | 5490                     |
| Dept. Of Ectany And Plant Pathology                          | 492   |       | Agricultural Research Council, Slough, Bucks., U. K.           |                          |
| Agricultural Experiment Station, Frootings, South Dakota     |       |       | Pest Infestation Labcratory                                    | 10286                    |
| 2859   |       |       | Agricultural Research Council, Slough, England                 |                          |
| Agricultural Experiment Station, Gainesville, Fla.           | 9449  |       | Biochemistry Dept.   |                          |
| Agricultural Experiment Station, Gainsville, Florida         | 5574  |       | Pest Information Laboratory                                    | 10539                    |
| Agricultural Experiment Staticn, Geneva, N.Y.                | 9241  |       | Agricultural Research Council, Slough, England                 |                          |
| Agricultural Experiment Staticn, Kingston, R.I.              | 3751  |       | Pest Infestation Laboratory                                    | 622 3727 9339 12300      |
| Agricultural Experiment Station, Rehovot, Israel             | 2398  |       | Agricultural Research Institute, Tapei, Taiwan                 | 4374                     |

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| Agricultural Research Service                                |             | Lederle Laboratories  |       | 1911  |
| Cross Research Division                                      | 315         | American Cyanamid Co., Pearl River, N. Y.                     |       |       |
| Agricultural Research Service                                |             | Lederle Laboratories  |       |       |
| Plant Pest Control Division                                  | 10532       | Viral And Bickettsial Research Section                        | 1912  | 1913  |
| Agricultural Research Service                                |             | American Cyanamid Co., Pearl River, N.Y.                      |       |       |
| Plant Quarantine Division                                    | 2712        | Lederle Laboratories  |       |       |
| Agricultural Research Service, Anchorage, Alaska             |             | Biological Development Laboratory                             |       | 10189 |
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| Animal Husbandry Research Division                           |             | American Cyanamid Co., Princeton, N. J.                       |       |       |
| Dairy Cattle Research Branch                                 | 4795        | Agricultural Division   | 1914  | 2283  |
| Agricultural Research Service, Beltsville, Md.               |             | American Cyanamid Co., Princeton, N.J.                        | 3673  | 3754  |
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| Agricultural Research Service, USDA, Ames, Iowa              |             | American Cyanamid Co., Princeton, N.j.                        |       |       |
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| Agricultural Research Station, Beit Dagan-Behovot, Israel    |             | American Cyanamid Co., Stamford, Conn.                        |       |       |
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| Agricultural University, Wageningen, Netherlands             |             | American Cyanamid Company, Pearl River, N. Y.                 |       |       |
| Laboratory Of Entomology                                     | 2584        | Lederle Laboratories Division                                 |       |       |
| Ahmadu Bello University, Samaru, Zaria, Northern Nigeria     |             | Biochemical Research Section                                  |       |       |
| Institute For Agricultural Research                          | 6260        | Experimental Therapeutics Research Section                    |       | 11420 |
| Ain Shams University   |             | American Cyanamid Company, Pearl River, N. Y.                 |       |       |
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| Ain Shams University, Cairo, Egypt                           |             | Experimental Therapeutics Research                            |       |       |
| Faculty Of Agriculture                                       | 4450        | Dept. Of Chemical Pharmacology                                |       | 645   |
| Akademiya Nauk SSSR  |             | American Cyanamid Company, Pearl River, N.Y.                  |       |       |
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| Institut Lesa I Drevesiny                                    | 13199       | American Cyanamid Company, Princeton, N. J.                   |       |       |
| Alabama Polytechnic Institute, Auburn                        | 6182 7563   | Agricultural Division   |       |       |
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| School Of Veterinary Medicine                                |             | American Cyanamid Company, Princeton, N.J.                    |       | 8833  |
| Dept. Of Animal Disease Research                             | 1770        | American Cyanamid Company, Princeton, N.j.                    |       |       |
| Albert Einstein College Of Medicine, Bronx, N.Y.             |             | Agricultural Division   | 3756  | 13583 |
| Animal Institute   |             | American Cyanamid Company, Princeton, N.J.                    |       |       |
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| Alberta Dept. Of Agriculture, Edmonton, Alberta              |             | Environmental Health Laboratory                               | 11303 | 11354 |
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| Alberta Dept. Of Agriculture, Edmonton, Alberta              |             | Central Medical Dept.   |       | 11304 |
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| Veterinary Services Branch                                   | 3729        | American Home Products Corporation, New York                  |       | 12648 |
| Alberta Dept. Of Agriculture, Edmonton, Canada               |             | American J. Vet. Res., 22, (July, 1961): 770-774              |       | 2347  |
| Veterinary Laboratory  | 1907        | American Journal Of Veterinary Res., 23, ( Jan., 1962):81-84  |       |       |
| Alberta Veterinary Laboratory, Edmonton, Alberta             | 4657        | 2284  |       |       |
| Alexandria University, Alexandria, U. A.R.                   |             | American Journal Of Veterinary Res., 23, (jan., 1962):15-20   |       |       |
| Faculty Of Agriculture                                       |             | 2285  |       |       |
| Plant Pathology Dept.  | 6743        | American Journal Of Veterinary Res., 23, (jan., 1962):24-31   |       |       |
| Allegheny College, Pa.                                       | 3885        | 1915  |       |       |
| Allen And Hanburys Ltd., Ware Hertfordshire                  | 3050        | American Journal Of Veterinary Res., 23, (jan., 1962):42-48   |       |       |
| Allied Chemical Corp.  |             | 2286  |       |       |
| Nitrogen Division  | 4223        | American Journal Of Veterinary Res., 23, (jan., 1962):49-57   |       |       |
| Allied Chemical Corp., Hopewell, Va.                         |             | 1916  |       |       |
| Nitrogen Division  | 8206        | American Journal Of Veterinary Res., 23, (jan., 1962):65-69   |       |       |
| Allied Chemical Corporation, New York                        | 13687       | 1771  |       |       |
| Allied Chemical Corporation, New York, N. Y.                 | 12868       | American Journal Of Veterinary Res., 23, ( Jan., 1962):96-101 |       |       |
| Allied Chemical Corporation, New York, N.y.                  | 11626 12869 | 1917  |       |       |
| 12870  |             | American Journal Of Veterinary Res.,23,( Jan., 1962):150-158  |       |       |
| Allied Chemical Corporation, Syracuse, N.Y.                  |             | 1918  |       |       |
| Solvay Process Division                                      | 5385        | American Meat Institute Foundation, Chicago, Ill.             |       |       |
| Amchem Products, Inc., Ambler, Pennsylvania                  | 12852       | Division Of Analytical And Physical Chemistry                 |       | 11190 |
| Amchem Products, Inc., Ambler, Pennsylvania                  |             | American Museum Of Natural History                            |       |       |
| Agricultural Chemical Laboratories                           | 12848       | Dept. Of Insects And Spiders                                  |       | 5551  |
| Amer. J. Vet. Res., 22, (Nov., 1961): 1069-1074              | 1908        | American Museum Of Natural History, Portal, Ariz.             |       |       |
| Amer. Journal Of Vet. Res., 22, (Nov., 1961): 1081-1084      |             | Southwestern Research Station                                 |       | 7894  |
| 1909   |             | American Phytopathological Institute                          |       | 1184  |
| American Cyanamid Co., Pearl River, N. Y.                    |             | American Potash Institute, Washington, D.C.                   |       | 9299  |
| Lederle Laboratories Division                                | 1910        | American Scientific Laboratories, Inc., Madison, Wis.         |       | 6340  |
| American Cancer Society                                      | 8868        | American Scientific Laboratories, Inc., Madison, Wis.         |       |       |
| American Cyanamid Co.  |             | Dept. Of Preventive Medicine                                  |       | 1919  |
| Agricultural Division  | 9300        | American Scientific Laboratories, Madison, Wis.               |       |       |

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| American Veterinary Medical Association                      |                     | Arizona Agricultural Experiment Station, Mesa             |                          |  |  |           |  |
| Council On Public Health And Regulatory Veterinary Medicine  |                     | Dept. Of Plant Pathology                                  |                          |  |  | 267       |  |
| 1920   |                     | Arizona Agricultural Experiment Station, Tucson           |                          |  |  | 7124      |  |
| American Veterinary Medicinal Assciation                     |                     | Arizona Agrochemical Corporation                          |                          |  |  | 12855     |  |
| Council On Public Health And Regulatory Veterinary Medicine  |                     | Arizona Fertilizer And Chemical Company, Phoenix          |                          |  |  | 3877      |  |
| 1921   |                     | Arizona State University                                  |                          |  |  | 5913      |  |
| Amino Feed Co., Ltd., Yokohama                               |                     | Arizona State University                                  |                          |  |  |           |  |
| Research Laboratory  | 6171                | Dept. Of Histology  |                          |  |  | 11244     |  |
| Amoco Chemicals Corp.  |                     | Arkansas Agricultural Experiment                          |                          |  |  | 9611      |  |
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| Angell Memorial Animal Hospital, Boston, Mass.               | 1922 4815           | 11010   |                          |  |  |           |  |
| 5094 5364 6316   |                     | Arkansas Agricultural Experiment Station, Fayetteville    |                          |  |  | 1617      |  |
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| Animal Disease And Parasite Research Division                |                     | Plant Industry  |                          |  |  | 12467     |  |
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| Animal Disease And Parasite Research Division, Albuquerque   |                     | Armed Forces Institute Of Pathology                       |                          |  |  |           |  |
| 3601   |                     | Veterinary Pathology Division                             |                          |  |  | 1929      |  |
| Animal Disease And Parasite Research Division, Ames, Iowa    |                     | Armed Forces Institute Of Pathology, Washington, D.C.     |                          |  |  | 3068      |  |
| National Animal Disease Labcrtory                            | 3058 3059           | 4693 11036  |                          |  |  |           |  |
| Animal Disease And Parasite Research Division, Greenport, NY |                     | Armed Forces Medical College, India                       |                          |  |  |           |  |
| Plum Island Animal Disease Laboratory                        | 3060                | Dept. Of Preventive Medicine                              |                          |  |  | 11116     |  |
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| 3061 4647  |                     | Armour And Company, Chicago, Illinois                     |                          |  |  | 12875     |  |
| Animal Disease And Parasite Research Division, N.Y.          |                     | Army Chemical Center, Md.                                 |                          |  |  |           |  |
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| 3602   |                     | Chemical Warfare Laboratories                             |                          |  |  |           |  |
| Animal Diseases Research Association, Glimerton, Edinburgh   |                     | Medical Research Directorate                              |                          |  |  | 3894      |  |
| 1923   |                     | Army Chemical Center, Md.                                 |                          |  |  |           |  |
| Animal Diseases Research Institute, Hull, P. C.              |                     | Physiology Division                                       |                          |  |  | 52        |  |
| Canada Dept. Of Agriculture                                  |                     | Army Chemical Center, Md.                                 |                          |  |  |           |  |
| Animal Pathology Laboratories                                |                     | U. S. Army Medical Service                                |                          |  |  |           |  |
| Health Cf Animals Division                                   | 1924                | U. S. Environmental Bygiene Agency                        |                          |  |  |           |  |
| Animal Diseases Research Institute, Hull, P.Q., Canada       | 6125                | Toxicology Division                                       |                          |  |  | 11234     |  |
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| Animal Health And Nutrition Laboratory, Perth, Australia     |                     | U.S. Army Chemical Research And Development Laboratories. |                          |  |  |           |  |
| 1925   |                     | Biophysics Division                                       |                          |  |  | 6122      |  |
| Animal Health Centre, Entebbe, Uganda                        | 4791                | Army Chemical Center, Md.                                 |                          |  |  |           |  |
| Animal Health Laboratory, Perth, Western Australia           | 8778                | U.S. Army Chemical Warfare Laboratories                   |                          |  |  |           |  |
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| Animal Health Research Centr, Entebbe, Uganda                | 4556                | Army Medical Research Laboratory, Fort Knox, Ky.          |                          |  |  |           |  |
| Animal Health Research Centre, Uganda                        |                     | Pathology Division  |                          |  |  | 5239      |  |
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| Animal Health Trust, Essex, England                          |                     | Association de Coordination Technigne Agricole            |                          |  |  | 13192     |  |
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| Animal Health Trust, Newmarket, England                      |                     | Association Of Official Analytical Chemists               |                          |  |  | 12085     |  |
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| Farm Livestock Research Centre                               | 578 3064            | Atlas Agricultural Chemicals, Waynesboro, Ga.             |                          |  |  | 9289      |  |
| Animal Health Trust, Suffolk, England                        |                     | Atomic Energy Commission                                  |                          |  |  |           |  |
| Equine Research Station                                      | 7430 7432           | Division Of Biology And Medicine                          |                          |  |  | 1772      |  |
| Animal Health Trust, Suffolk, England                        |                     | Atomic Energy Establishment Trombay, Bombay, India        |                          |  |  |           |  |
| Small Animals Centre   | 8814                | Biology Division  |                          |  |  | 9452      |  |
| Animal Husbandry And Veterinary Dept., Orissa, India         | 3603                | Atomic Energy Of Canada Limited, Ontario, Canada          |                          |  |  |           |  |
| Animal Medical Center, N. Y., N. Y.                          | 1926                | Chalk River Nuclear Laboratories                          |                          |  |  |           |  |
| Animal Medical Center, New York                              | 1927                | Biology And Health Physics Division                       |                          |  |  | 23        |  |
| Animal Medical Center, New York, N.Y.                        | 4826 5202           | Atomic Energy of Canada Ltd.,                             |                          |  |  |           |  |
| Animal Research Station, Wallaceville, New Zealand           |                     | Biology Branch  |                          |  |  | 6350      |  |
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| Ankara University, Turkey                                    |                     | 7662 7714 8581 11984 11998 11999                          |                          |  |  |           |  |
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| Auburn University, Auburn, Ala.                            |      |       |       | Blue Cross Animal Hospital, London, England                  | 7429        |
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| Hollische Corporation, Camden                                | 13669 |       |       | Imperial Chemical Industries Ltd., Alderley Park, Cheshire   |                |
| Holloman Air Force Base, N.M.                                |       |       |       | Pharmaceuticals Division                                     | 1977           |
| Veterinary Services Branch                                   | 4642  |       |       | Imperial Chemical Industries Ltd., Cheshire, Eng.            |                |
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| 13681  |       |       |       | Imperial Chemical Industries, Ltd., Macclesfield, England    |                |
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| Booker Chemical Corporation, Niagara Falls, New York         |       | 12884 |       | Imperial College Field Station, Sunninghill, Ascot, Berks    |                |
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| 1232   |       |       |       | Imperial College Field Station, Sunninghill, England         | 10997          |
| Houghton Poultry Research Station                            |       | 6235  |       | Imperial College Of Science And Technology, London, England  |                |
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| Houghton Poultry Research Station, Eng.                      |       | 7344  |       | Imperial College, Sunninghill, England                       |                |
| Houghton Poultry Research Station, England                   |       | 1976  |       | Field Station  |                |
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| Houghton Poultry Research Station, Houghton, Huntingdon      |       |       |       | India Department of Agriculture, Bajasthan, Jaipur           |                |
| 6242   |       |       |       | Plant Pathology Laboratory                                   |                |
| Houghton Poultry Research Station, Houghton, Huntingdonshire |       |       |       | Indian Agricultural Research Institute                       |                |
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| 3189   |       |       |       | Indian Agricultural Research Institute, New Delhi            |                |
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| Idaho Agricultural Experiment Station, Moscow                | 1234  | 6764  |       | Disease Investigation Station                                | 1978           |
| Idaho Agricultural Experiment Station, Moscow                |       |       |       | Indian Veterinary Research Institute, Izatnagar, India       | 6222           |
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| II Medizinischen Universitätsklinik, Vienna                  |       | 12272 |       | Indiana University, Bloomington                              |                |
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| Applied Botany And Plant Pathology                           |       | 10777 |       | Weed Control Dept.   | 4487 4488 5404 |
| Illinois Natural History Survey, Urbana                      |       |       |       | Inst. For Tropical And Protozoan Diseases, Utrecht           | 1979           |
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| Illinois State Diagnostic And Research Lab, Urbana, Ill.     |       |       |       | Institute For Medical Research, Kuala, Lumpur, Malaysia      |                |
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| Aquatic Biology Section                                      |       | 3708  |       | Institute For Research On Animal Diseases                    | 13441          |
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| Institute Of Biology, Praha, Czechoslovakia                   |                          | College Of Veterinary Medicine                               |  |  |  |      |       |       |
| Laboratory Of Insect Pathology                                | 6660                     | Veterinary Medical Research Institute                        |  |  |  |      | 1984  |       |
| Institute Of Entomology                                       | 10015                    | Iowa State University Of Science And Technology              |  |  |  |      |       |       |
| Institute Of Nutrition Of Central America And Panama          | 12755                    | Dept. Of Zoology And Entomology                              |  |  |  |      | 5178  |       |
| Institute Of Plant Protection, Poczna, Poland                 |                          | Iowa State University Of Science And Technology              |  |  |  |      |       |       |
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| Institute Of Plant Protection, Pulawy, Poland                 | 5438                     | Iowa State University Of Science And Technology, Ames        |  |  |  |      | 764   |       |
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| Instituto Agropecuario Nacional, Guatemala                    | 9724                     | College Of Veterinary Medicine                               |  |  |  |      |       |       |
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| Instituto Biologico, Sao Paulo, Brazil                        |                          | Iowa State University Of Science And Technology, Ames        |  |  |  |      |       |       |
| Section Of Plant Physiology                                   | 1238                     | Veterinary Medical Research Institute                        |  |  |  |      | 1985  | 5148  |
| Instituto De Biologia Animal, Bio De Janeiro, Brazil          |                          | Iowa State University Of Science And Technology, Ames, Iowa  |  |  |  |      |       |       |
| Section Of Animal Pathology                                   | 5101                     | Iowa Agricultural Experiment Station                         |  |  |  |      |       |       |
| Instituto Interamericano De Ciencias Agricolas De La Oea      | 10326                    | Veterinary Medical Research Institute                        |  |  |  |      |       | 8815  |
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| Instituto Nacional De Investigaciones Agricolas, Mexico       |                          | Iowa State University, Ames                                  |  |  |  | 1245 | 2875  | 2876  |
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| Instituto Nacional De Tecnologia Agropecuaria, Chaco, Arg.    |                          | 5114 5115 5779   |  |  |  | 5795 | 5997  | 6200  |
| Estacion Experimental Agraria                                 | 1980                     | 7135 7577 7585   |  |  |  | 8222 | 11201 | 7007  |
| Instituto Bicerche Agrarie Scc. Montecatini, Milan, Italy     | 618                      | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Instituto Superiore Di Sanita, Rome                           |                          | Dept Of Zoology-entomology                                   |  |  |  |      |       | 2576  |
| Dept. Of Parasitology   | 11245                    | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Instituto Tecnologico, Monterrey, Mexico                      |                          | College Of Agriculture                                       |  |  |  |      |       |       |
| Departamento De Parasitologia Y Botanica                      | 2777                     | College Of Veterinary Medicine                               |  |  |  |      |       |       |
| Instituto Venezolano De Investigaciones Cientificas, Caracas  |                          | Dept. Of Physiology And Pharmacology                         |  |  |  |      |       | 3200  |
| Departamento De Virologia                                     | 1240                     | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Inter-African Bur. For Animal Health, Mugugu, Kenya           | 1981                     | College Of Veterinary Medicine                               |  |  |  |      |       |       |
| Inter-amer. Inst. Of Agr. Sciences, Turrialba, Costa Rica     |                          | Dept. Of Physiology And Pharmacology                         |  |  |  | 4695 |       | 12045 |
| Basic Food Crops Program                                      | 9726                     | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Inter-American Inst. Of Agricultural Sciences, Turrialba      | 1241                     | College Of Veterinary Medicine                               |  |  |  |      |       |       |
| Internal Revenue Service                                      |                          | Dept. Of Veterinary Pathology                                |  |  |  |      |       | 5021  |
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| International Minerals And Chemical Corp., Skokie, Ill.       | 8200                     | Veterinary Medical Research Institute                        |  |  |  |      |       |       |
| International Minerals And Chemical Corp., Wasco, Calif.      | 6555                     | Dept. Of Veterinary Medicine And Surgery                     |  |  |  |      |       | 6080  |
| Bioferm Division  |                          | Iowa State University, Ames                                  |  |  |  |      |       |       |
| International Minerals And Chemicals Corp., Wasco, Calif.     | 6558                     | Department Of Botany And Plant Pathology                     |  |  |  |      |       | 13243 |
| Bioferm Division  |                          | Iowa State University, Ames                                  |  |  |  |      |       |       |
| International Paper Co., Bainbridge, Ga.                      |                          | Dept. Of Animal Science                                      |  |  |  |      |       | 5264  |
| Southlands Experiment Forest                                  | 10746                    | Iowa State University, Ames                                  |  |  |  |      |       |       |
| International Paper Company, Bainbridge, Ga.                  | 5778                     | Dept. Of Bacteriology  |  |  |  |      |       | 6065  |
| International Paper Company, Bainbridge, Ga.                  |                          | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Southlands Experiment Forest                                  | 1242 1243 9696           | Dept. Of Biochemistry And Biophysics                         |  |  |  |      |       | 5092  |
| International Paper Company, Bainbridge, Ga.                  | 11743                    | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Southlands Experimental Forest                                |                          | Dept. Of Botany And Plant Pathology                          |  |  |  |      |       | 6849  |
| International Red Locust Control Service, Abercon N Rhodesia  | 10990                    | Iowa State University, Ames                                  |  |  |  |      |       |       |
| Iowa Agricultural And Home Economics Experiment Station       | 3196 3197                | Dept. Of Veterinary Pathology                                |  |  |  | 4717 | 5020  | 5199  |
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| Iowa Agricultural And Home Economics Experiment Station       |                          | Midwest Interprofess. Sem. On Dis. Common To Man And Animals |  |  |  |      |       |       |
| Dept. Of Animal Science                                       | 2873                     | 1986   |  |  |  |      |       |       |
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| Iowa Agricultural Experiment Station, Ames                    | 10749                    | Veterinary Medical Research Institute                        |  |  |  |      |       | 1987  |
| Iowa Agricultural-Home Economics Experiment Station, Ames     |                          | Iowa State University, Ames, Iowa                            |  |  |  |      |       |       |
| North Central Regional Project NC-20                          | 10541                    | College Of Veterinary Medicine, Ames, Iowa                   |  |  |  |      |       | 12632 |
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| Iowa State University   |                          | Israel Institute For Biological Research, Ness-Ziona         |  |  |  |      |       | 1988  |
| College Of Veterinary Science                                 | 7398                     | Israel Institute For Biological Research, Ness-Ziona         |  |  |  |      |       | 2608  |
| Iowa State University   |                          | 10664  |  |  |  |      |       |       |
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| Iowa State University   |                          | Dept. Of Parasitology  |  |  |  |      |       | 6491  |
| Dept. Of Botany And Plant Pathology                           |                          | J. Anim. Sci., 21, (May, 1962):209                           |  |  |  |      |       | 1990  |
| 11747   |                          | J.R. Geigy A.G., Basel, Switzerland                          |  |  |  |      |       | 12896 |
| Iowa State University   |                          | Jackson Laboratory, Bar Harbor, Me.                          |  |  |  |      |       | 10181 |
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| Iowa State University   |                          | Jealott's Hill Research Station, Berkshire, England          |  |  |  |      |       | 2778  |
| Veterinary Medical Research Institute                         | 1982 1983                | Jealott's Hill Research Station, Bracknell, Berkshire        |  |  |  |      |       | 11027 |
| Iowa State University Of Science And Technology               | 3199 5461 5805 6075 6085 | Jealott's Hill Research Station, Bracknell, England          |  |  |  |      |       | 2779  |
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| Jewish Hospital, Cincinnati, Ohio   |                           | Kansas State University, Manhattan                           |                     |
| Clinical Laboratories   | 1991                      | Dept. Of Pathology, Parasitology And Public Health           | 521                 |
| John Hopkins University, Baltimore, Md. School Of Hygiene And Public Health       |                           | Kansas State University, Manhattan                           |                     |
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| Journal Of Comp. Pathology, 72, (April, 1962): 131                                | 1992                      | Experiment Station   | 486                 |
| Journal Of Dairy Science, 45, ( April, 1962):547                                  | 1993                      | Kansas State University, Manhattan                           |                     |
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| 8452 10935  |                           | Kerr-mcGee Oil Industries, Inc., Oklahoma City               |                     |
| Kansas City, Kan.   | 5245                      | Research And Development Division                            | 11663               |
| Kansas State College, Manhattan   | 5585                      | Kerrville, Texas   |                     |
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| Kansas State University   |                           | Kwame Nkrumah University Of Science And Technology, Ghana    |                     |
| Division Of Extension   | 9743                      | 1998   |                     |
| Kansas State University   |                           | Kwame Nkrumah University Of Science And Technology, Ghana    |                     |
| Southeast Kansas Branch Station   |                           | Dept. Of Zoology   | 7841 7842           |
| Garden City Branch Station  | 12715                     | Kwame Nkrumah University, Kumasi, Ghana                      |                     |
| Kansas State University Manhattan   |                           | School Of Agriculture  |                     |
| Kansas Agricultural Experiment Station  |                           | Veterinary Section   | 1999                |
| Dept. Of Bacteriology   | 2412                      | Kyoto University, Faculty of Agriculture, Kyoto, Japan       |                     |
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| Agricultural Experiment Station   | 4634                      | Kyoto University, Kyoto, Japan                               |                     |
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| 5563 5580 5592 5653 5655 5663 5672  |                           | Faculty Of Science   |                     |
| 6243 6291 6628 7061 7573 8547 10620   |                           | Dept. Of Botany  | 5757                |
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| Kansas State University, Manhattan  |                           | Lab. For Anim. Physio. Of The Agric. Univ. Col., Netherlands |                     |
| Dept. Of Ectany And Plant Pathology   | 6723 6827 10812           | Agric. Bur. Of The Neth. Nitrogenous Fertilisers Industry.   |                     |
| Kansas State University, Manhattan  |                           | 2000   |                     |
| Dept. Of Dairy And Poultry Science  | 7236                      | Lab. For Research On Insecticides, Wageningen, Netherlands   |                     |
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| Depts. Of Veterinary Physiology And Med. Pharmacology.      |      |       | 2005  | Merck Inst. For Therapeutic Research, Rahway, N.J.         |       |      |      |       | 1202  |
| Mallinck-rodt Chemical Works, St. Louis                     |      |       | 12464 | Merck Institute For Therapeutic Research, Rahway, N. J.    |       |      |      |       |       |
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| Massachusetts Agricultural Experiment Station.              |      |       | 8316  | Michigan Dept. Of Conservation                             |       |      |      |       | 2881  |
| Massachusetts Agricultural Experiment Station, Amherst      |      |       |       | Michigan State University                                  |       | 2010 | 4257 | 4293  | 5335  |
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| Massachusetts Farm Bureau Federation                        |      |       | 3867  | Michigan State University                                  |       |      |      |       |       |
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| May And Baker Ltd., Essex, England                          |      |       |       | Dept. Of Microbiology And Public Health                    |       |      |      | 2008  | 2009  |
| Veterinary Research Division                                |      |       | 7619  | Michigan State University                                  |       |      |      |       |       |
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| Forestry Research Center                                    | 10597         |   |                |
| Weyerhaeuser Company, Centralia, Wash.                      |               |   |                |
| Forestry Research Center                                    | 9806 9950     |   |                |
| Weyerhaeuser Forestry Research Center, Centralia, Wash.     |               |   |                |
| 4367  |               |   |                |
| Weyerhaeuser Co., Centralia, Wash.                          |               |   |                |
| Forestry Research Center                                    | 7838          |   |                |
| White House Of Speen, Aylesbury, Bucks, U. K.               | 10265         |   |                |
| Whittier College, Whittier, Calif.                          |               |   |                |
| Dept. Of Biology  | 12            |   |                |
| Wichita, Kan.   | 5210          |   |                |
| Willie Commelin Scholten Laboratory, Baarn, Netherlands     |               |   |                |
| Forestry Experiment Station                                 | 9953          |   |                |
| Winnipeg, Canada  | 5039          |   |                |
| Wisconsin Agricultural Experiment Station                   | 2273 2322     |   |                |
| 2506  |               |   |                |
| Wisconsin Agricultural Experiment Station, Madison          | 200           |   |                |
| 2274 3567   |               |   |                |
| Wisconsin Alumni Research Foundation, Madison               | 4997          |   |                |
| Wisconsin Animal Diagnostic Laboratories, Madison           |               |   |                |
| Central Laboratory  | 3568          |   |                |
| Wisconsin Conservation Dept., Madison                       | 1810 7116     |   |                |
| Wisconsin Dept. Of Agriculture                              | 8306          |   |                |
| Wisconsin Dept. Of Agriculture, Madison                     | 3891 10767    |   |                |
| Wisconsin State College                                     | 9575          |   |                |
| Wisconsin State Department Of Agriculture, Madison          |               |   |                |
| Central Animal Diagnostic Laboratory                        | 4562          |   |                |
| Wisconsin State Dept. Of Agriculture, Barron                |               |   |                |
| Regional Animal Diagnostic Laboratory                       | 7235          |   |                |
| Wisconsin State Dept. Of Agriculture, Madison               | 1592          |   |                |
| Wood Products Insect Lab., Gulfport, Miss.                  | 6634          |   |                |
| Woodstock Agricultural Research Centre, Kent, England       | 5895          |   |                |
| Worcester Foundation For Exptal. Biology, Shrewsbury, Mass. |               |   |                |
| 10653   |               |   |                |
| World Health Organization Malaria Team, Saudi Arabia        | 4016          |   |                |
| World Health Organization, Geneva                           | 13570         |   |                |
| World Health Organization, Kuala Lumpur, Malaya             | 909           |   |                |







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