

OBSERVATIONS ON VETERINARY RESEARCH IN THE AREA OF AVIAN
MEDICINE IN THE UNITED STATES OVER THE TEN YEAR PERIOD 1968-1977

Table 1. Research Papers Dealing with Avian Medicine Presented at the Annual Meetings of the American Veterinary Medical Association 1968-1977. Listed from States Which Have Schools of Veterinary Medicine.

| | | YEAR | | | | | | | | | | 10 YEAR PERIOD |
|--------|----------------------|------|----|----|----|----|----|----|----|----|----|----------------|
| STATE | | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | |
| 1. | Georgia | 9 | 7 | 8 | 7 | 4 | 5 | 5 | 7 | 8 | 7 | 67 |
| 2. | Minnesota | 3 | 4 | 0 | 2 | 3 | 3 | 5 | 7 | 4 | 2 | 33 |
| 3. | New York | 1 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 6 | 6 | 33 |
| 4. | Michigan | 3 | 2 | 4 | 0 | 3 | 3 | 4 | 2 | 4 | 2 | 27 |
| 5. | California | 1 | 2 | 3 | 3 | 1 | 1 | 0 | 2 | 2 | 1 | 16 |
| 6. | Iowa | 2 | 0 | 1 | 3 | 2 | 0 | 1 | 2 | 0 | 1 | 12 |
| 7. | Indiana | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 11 |
| 8. | Washington | 2 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 8 |
| 9. | Texas | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 7 |
| 10. | Illinois | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 6 |
| 11. | Pennsylvania | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 6 |
| 12. | Louisiana | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 4 |
| 13. | Missouri | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 14. | Ohio | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 3 |
| 15. | Alabama ^a | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 16. | Oklahoma | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 17. | Colorado | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Florida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Kansas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Mississippi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Tennessee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTALS | | 26 | 26 | 22 | 23 | 23 | 17 | 24 | 26 | 28 | 26 | 241 |

^a The state of Alabama has two veterinary schools.

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Table 2. Papers Dealing with Avian Medicine Presented at the Annual Meeting of the American Veterinary Medical Association 1968-1977. Listed from States Which Do Not Have Schools of Veterinary Medicine.

| STATE | YEAR | | | | | | | | | | 10 YEAR PERIOD |
|-----------------------|------|----|----|----|----|----|----|----|----|----|----------------|
| | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | |
| 1. Massachusetts | 4 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 18 |
| 2. North Carolina | 1 | 0 | 1 | 0 | 4 | 2 | 0 | 2 | 1 | 3 | 14 |
| 3. Maryland | 1 | 1 | 0 | 3 | 2 | 1 | 2 | 2 | 1 | 0 | 13 |
| 4. Connecticut | 2 | 1 | 2 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 10 |
| 5. Arkansas | 0 | 1 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 8 |
| 6. New Jersey | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 1 | 0 | 0 | 8 |
| 7. Rhode Island | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| 8. Wisconsin | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 6 |
| 9. Delaware | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 |
| 10. Virginia | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| 11. South Carolina | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 4 |
| 12. Washington, D. C. | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 13. Maine | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 14. New Hampshire | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 15. West Virginia | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 16. Other States | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTALS | 10 | 8 | 8 | 11 | 15 | 14 | 10 | 11 | 7 | 7 | 101 |

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Table 3. Fourteen (14) of 22 Veterinary Schools in the United States are Located in the 20 Top Poultry Producing States. These States are Listed Below Along with Their Contributions of Research Papers on Avian Medicine to the Annual Meetings of the AVMA Over the Past 10 Years.

| Rank in Farm In- come from Poultry | State | Veterinary school located in State | Dept. of avian Medicine | Avian Disease Research Papers at AVMA | | | Percent of Total |
|---|----------------|---|-------------------------------|--|---------|--------|------------------|
| | | | | 1968-72 | 1973-77 | 10 Yrs | |
| 1 | California | YES | YES-NO ^a | 10 | 6 | 16 | 4.68 |
| 2 | Georgia | YES | YES | 35 | 32 | 67 | 19.59 |
| 3 | Arkansas | NO | - | 4 | 4 | 8 | 2.34 |
| 4 | North Carolina | NO | - | 6 | 8 | 14 | 4.09 |
| 5 | Alabama | YES(2) | NO | 2 | 0 | 2 | 0.58 |
| 6 | Texas | YES | NO | 6 | 1 | 7 | 2.05 |
| 7 | Mississippi | YES | NO | 0 | 0 | 0 | 0.00 |
| 8 | Pennsylvania | YES | NO | 2 | 4 | 6 | 1.75 |
| 9 | Minnesota | YES | NO | 12 | 21 | 33 | 9.65 |
| 10 | Maryland | NO | - | 7 | 6 | 13 | 3.80 |
| 11 | Maine | NO | - | 1 | 0 | 1 | 0.29 |
| 12 | Florida | YES | NO | 0 | 0 | 0 | 0.00 |
| 13 | Virginia | NO | - | 2 | 2 | 4 | 1.17 |
| 14 | Indiana | YES | NO | 5 | 6 | 11 | 3.22 |
| 15 | Delaware | NO | - | 1 | 3 | 4 | 1.17 |
| 16 | Missouri | YES | NO | 4 | 0 | 4 | 1.17 |
| 17 | Iowa | YES | NO | 8 | 4 | 12 | 3.51 |
| 18 | Ohio | YES | NO | 1 | 2 | 3 | 0.88 |
| 19 | South Carolina | NO | - | 1 | 3 | 4 | 1.17 |
| 20 | New York | YES | YES | 13 | 20 | 33 | 9.65 |

^a Department of Avian Medicine at University of California, Davis, was discontinued in 1968.

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Table 4. Avian Medicine Papers Presented at AVMA Annual Meetings During Past 10 Years. Top Ten States Reported by State and By Type of Institution Reporting the Research.

| State | Total Papers Presented | From University Depts. and State Diag. Labs | From Federal Laboratories | From Private and Commercial Laboratories |
|--------------------------|------------------------|---|------------------------------|--|
| 1. Georgia | 67 | 48 | 18 | 1 |
| 2. Minnesota | 33 | 33 | 0 | 0 |
| 3. New York | 33 | 30 | 2 | 1 |
| 4. Michigan | 27 | 3 | 23 | 1 |
| 5. Massachusetts | 18 | 18 | 0 | 0 |
| 6. California | 16 | 13 | 0 | 3 |
| 7. North Carolina | 14 | 13 | 0 | 1 |
| 8. Maryland | 13 | 5 | 8 | 0 |
| 9. Iowa | 12 | 4 | 8 | 0 |
| 10. Indiana | 11 | 9 | 0 | 2 |
| TOTALS | 244 | 176 | 59 | 9 |
| PERCENT OF TOP 10 STATES | 100% | 72% | 24% | 4% |

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Table 5. Contributions to Avian Disease Research as Evidenced by Papers Presented at the AVMA Annual Meeting Over the Past 10 Years

| | Avian Medicine Papers Presented Per Year | | |
|--|--|---------|----------------|
| | 1968-72 | 1973-77 | 10 Yr. Average |
| Average, States without Veterinary Schools | 0.35 | 0.33 | 0.34 |
| Average, States with Veterinary Schools but Without Departments of Avian Medicine | 0.76 | 0.73 | 0.75 |
| Average, States with Veterinary Schools Which Have Departments of Avian Medicine | 4.80 | 5.20 | 5.00 |

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